

FIG. 1

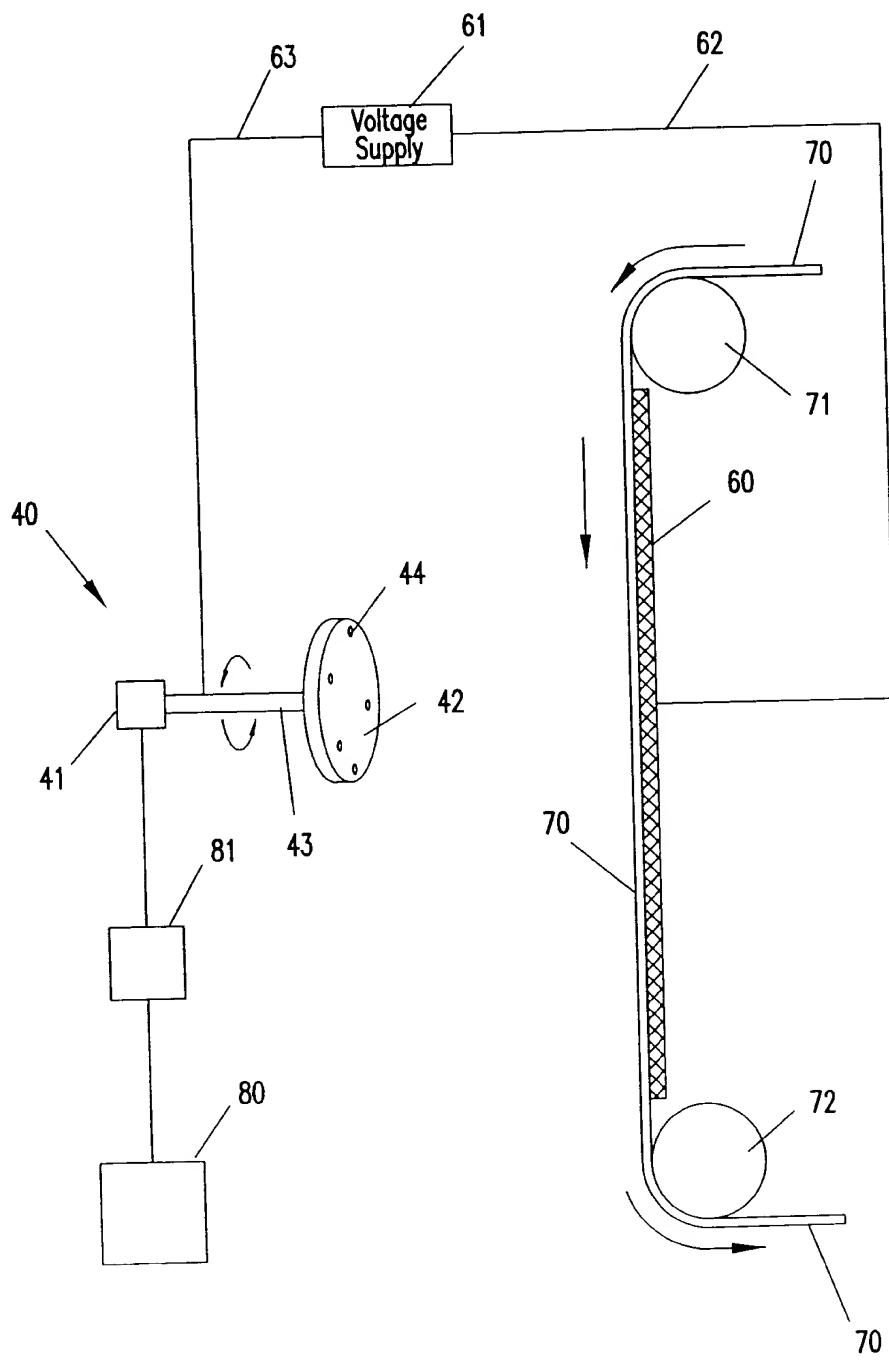


FIG. 2

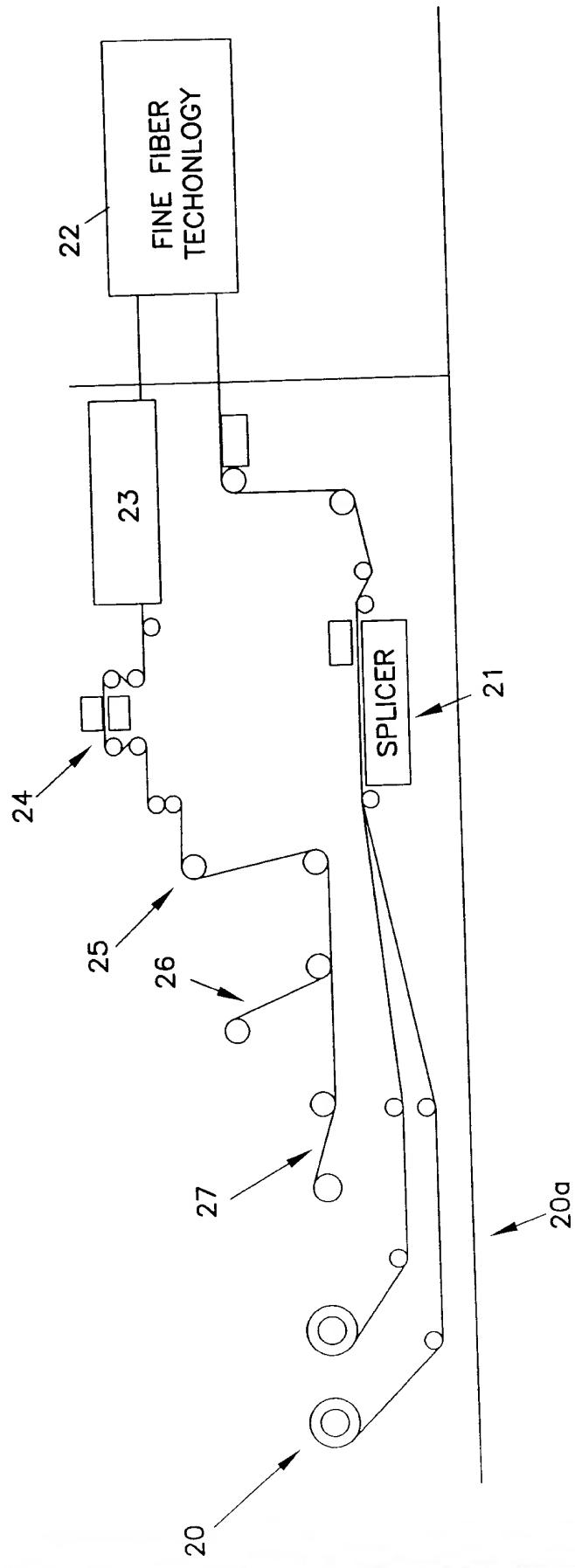
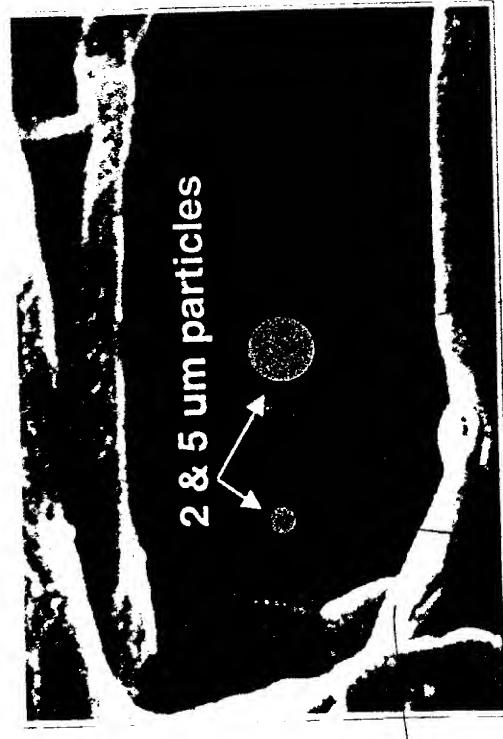


FIG. 3A

Cellulose Media



2,000 X Scanning Electron Microscope Images

FIG. 3B

Ultra-Web®

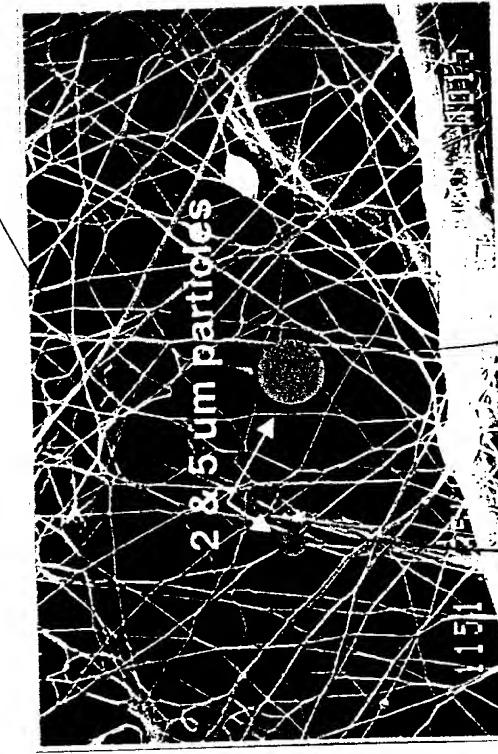


Fig. 4

ESCA O1s SPECTRA FOR SAMPLE 6A AT SPAN

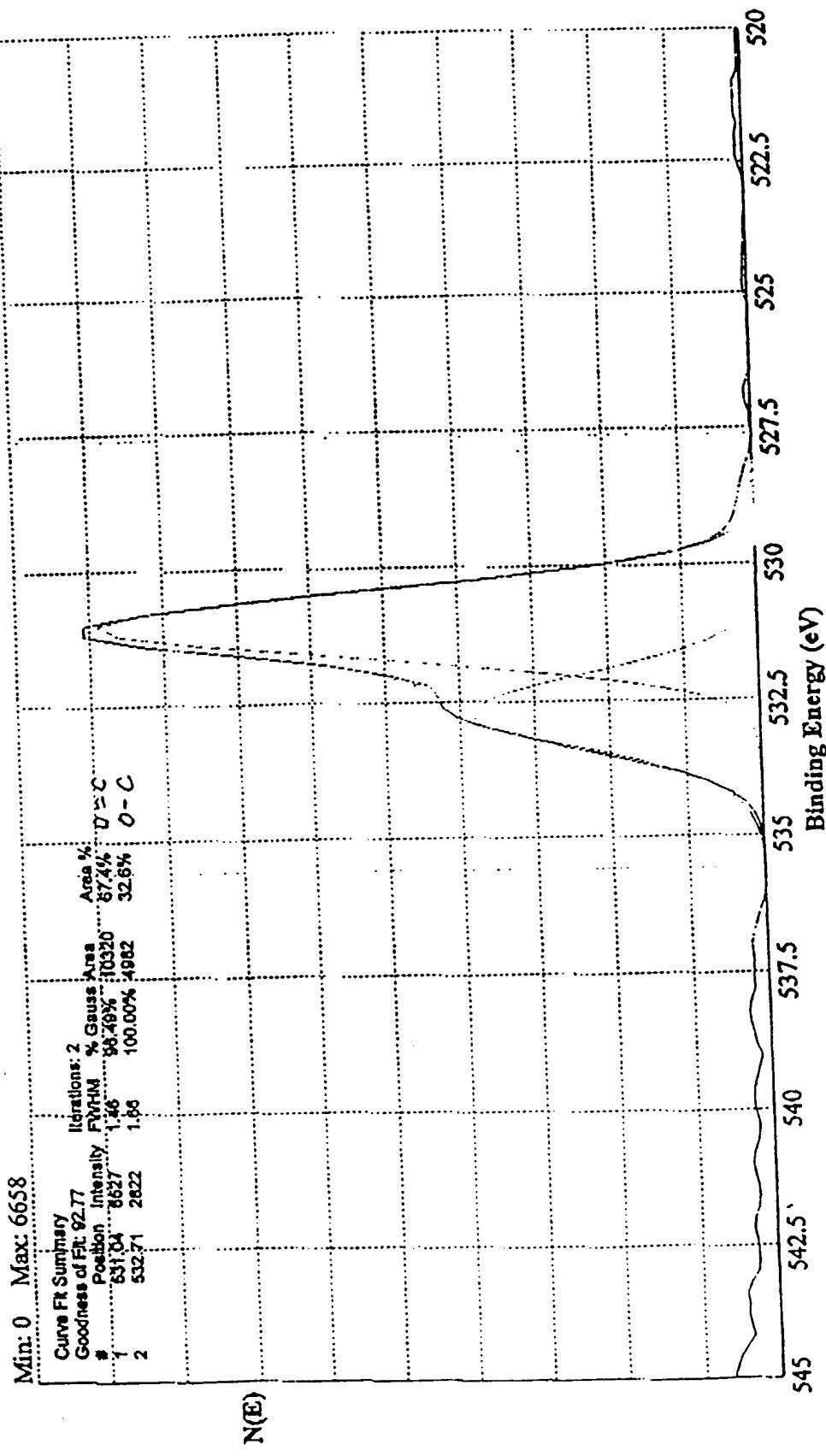


Fig. 5 ESCA O_{1s} SPECTR FOR HEAT-TREATED SAMPLE 6A

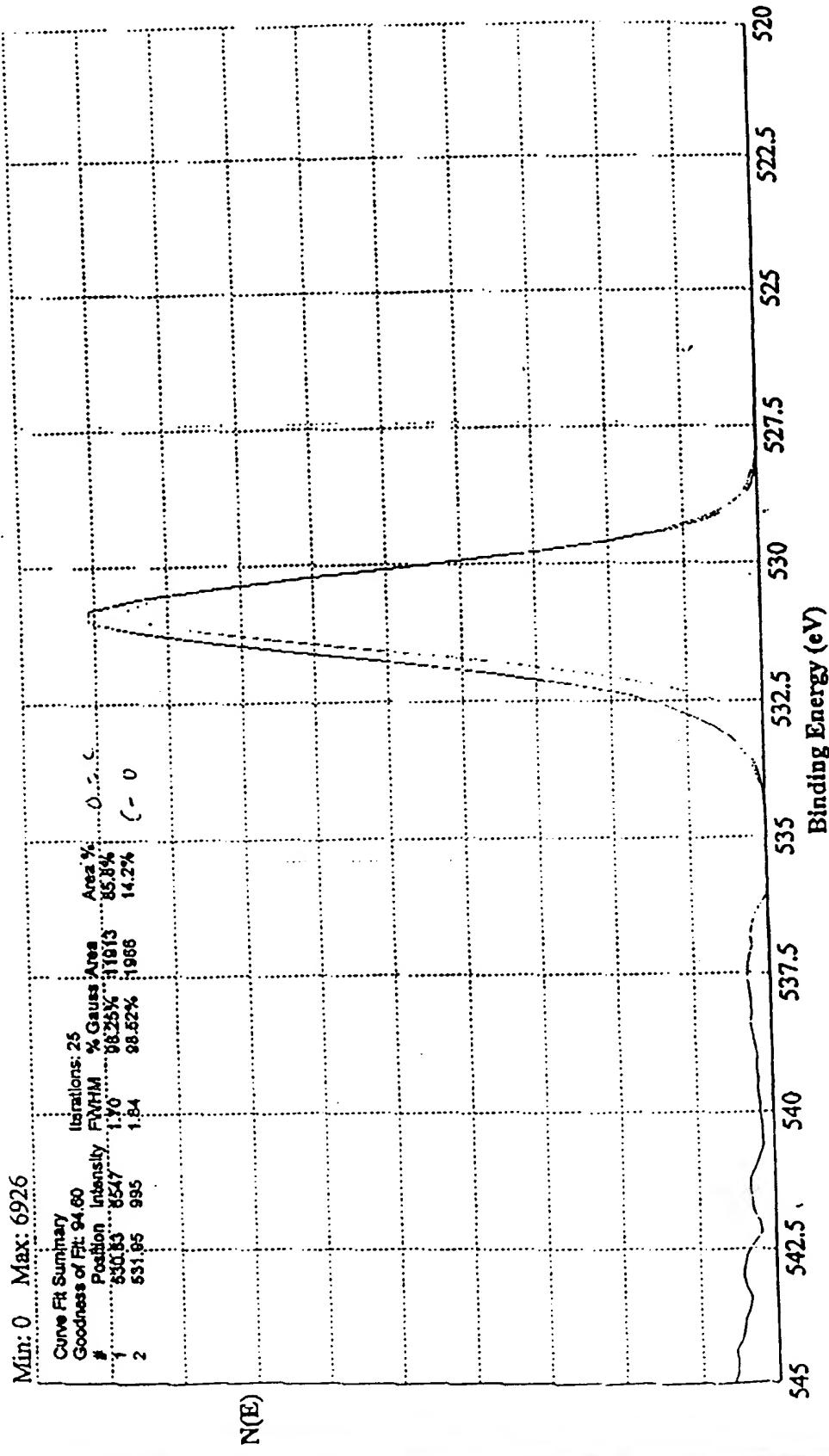


Fig. 6 EISCA O_{1s} SPECTRA FOR As-SPAN EXAMPLE (B)

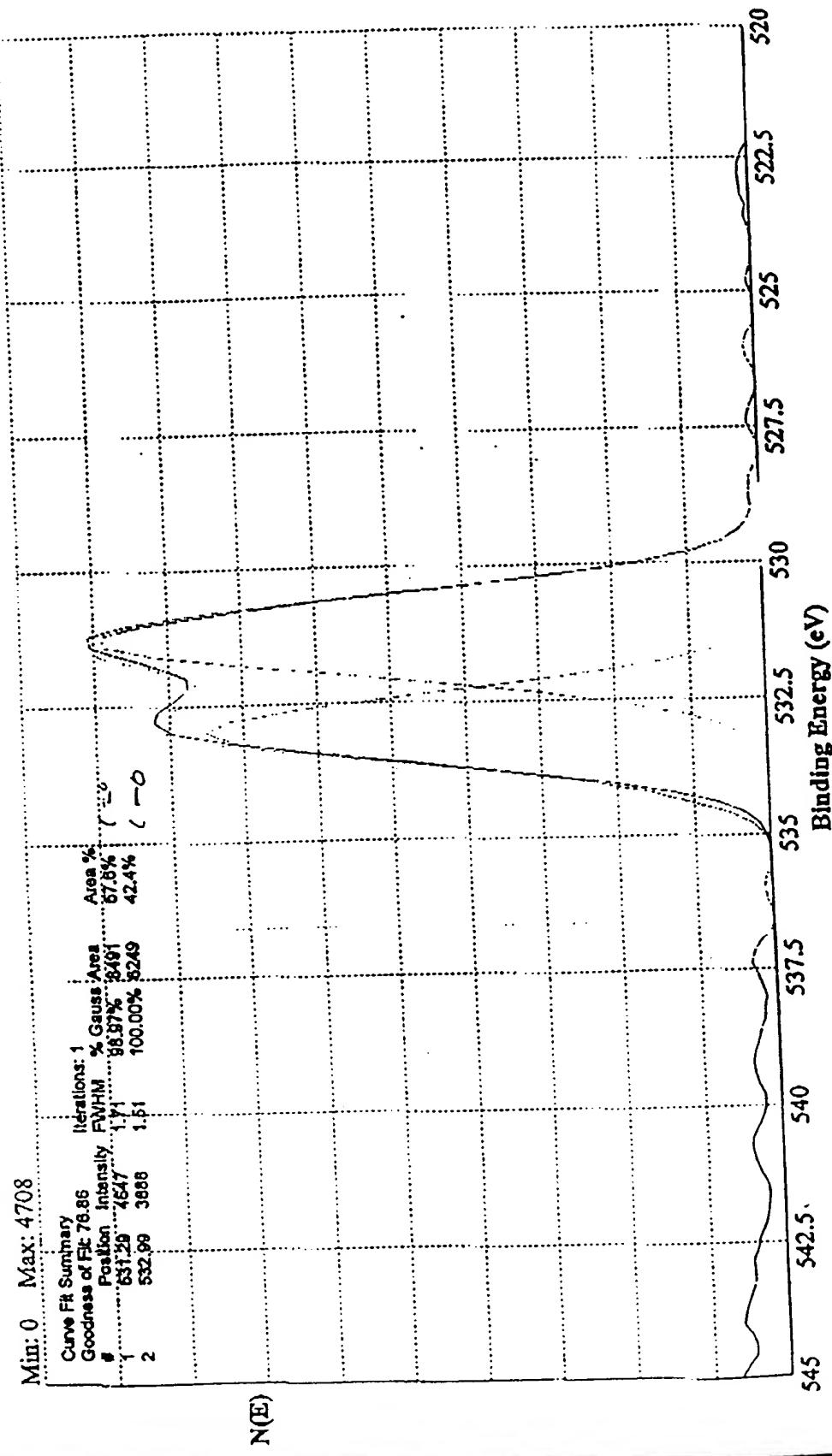
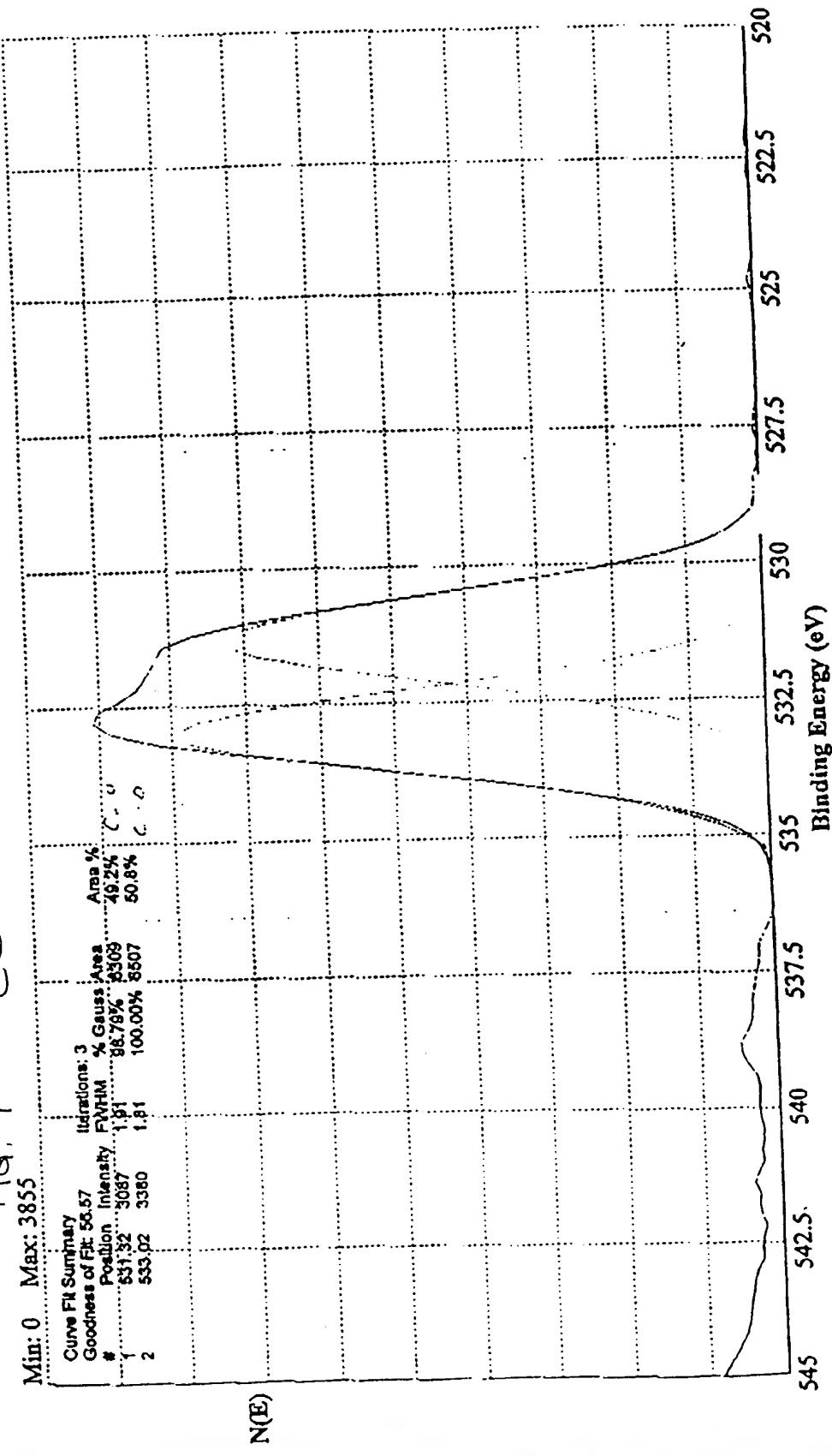
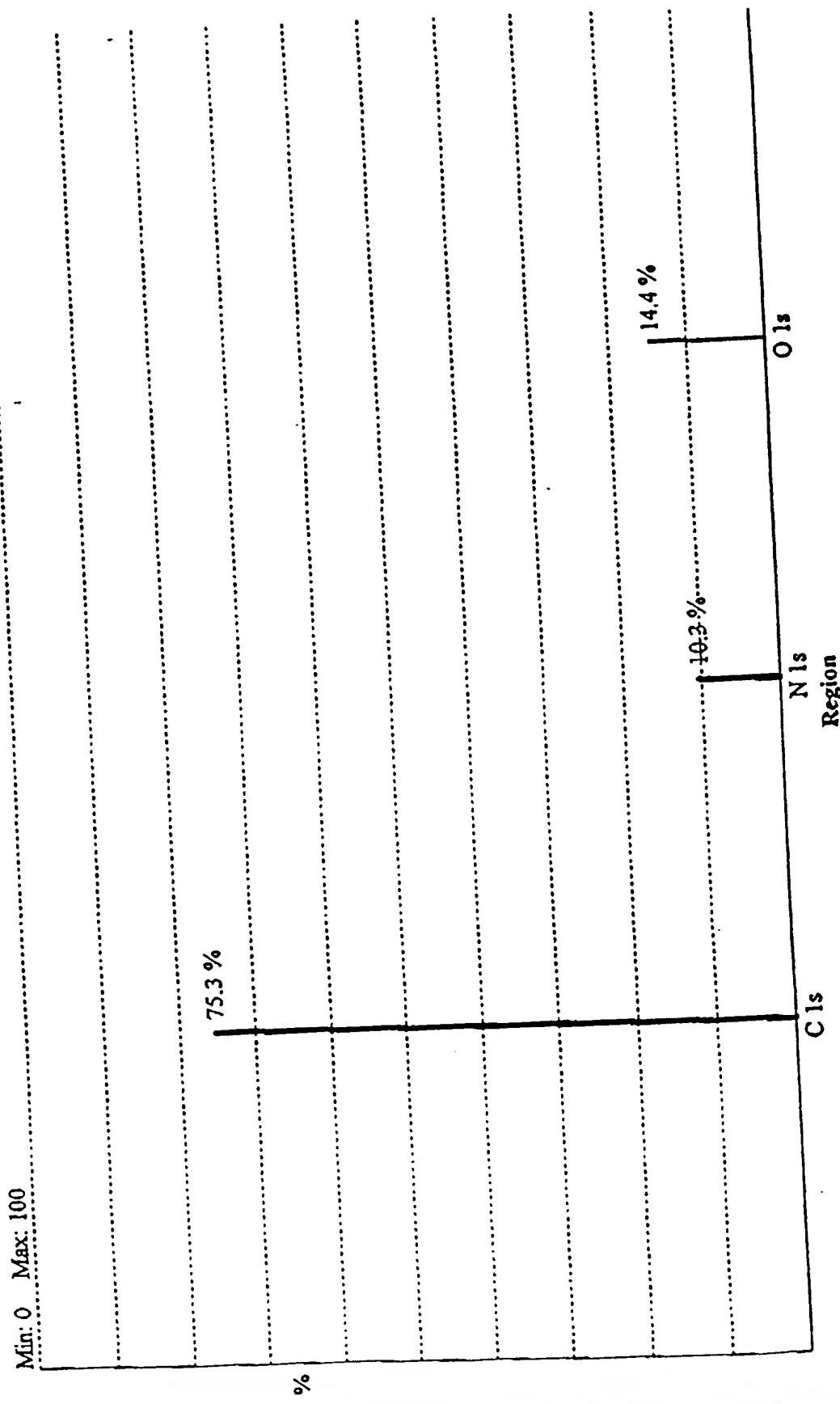


Fig. 7 ESCA O_{1s} SPECTRA FOR HEAT-TREATED EXAMPLE 6B



CONFIDENTIAL

Fig. 8 ESCA Multiplex For As-Spin Sample 6A



CHARTS

Fig. 9 ESCA MULTIPLEX FOR HENT TREATED SAMPLE 6A

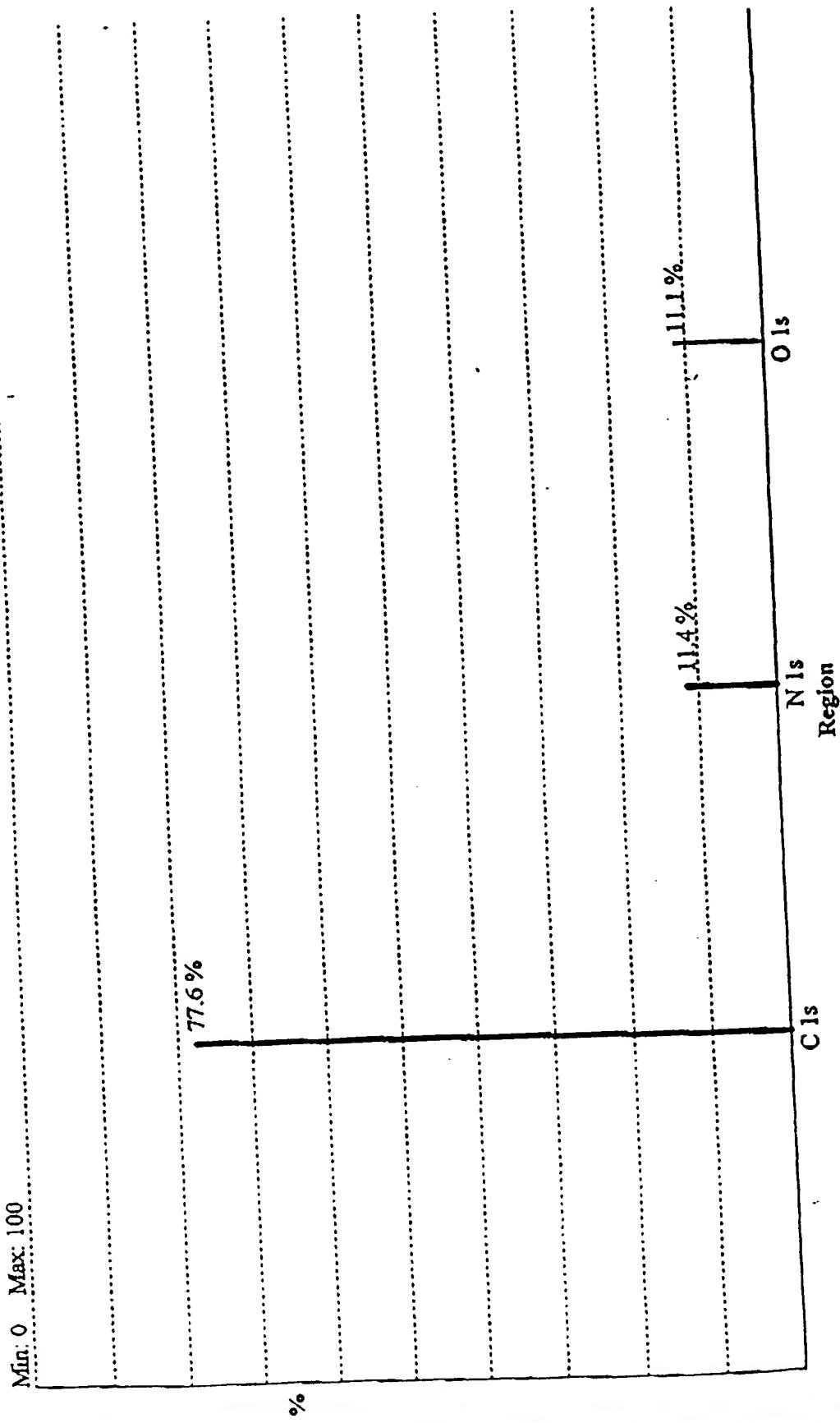


Fig. 10 ESCA MULTIPLEX FOR AS-SPUN SAMPLE (CB)

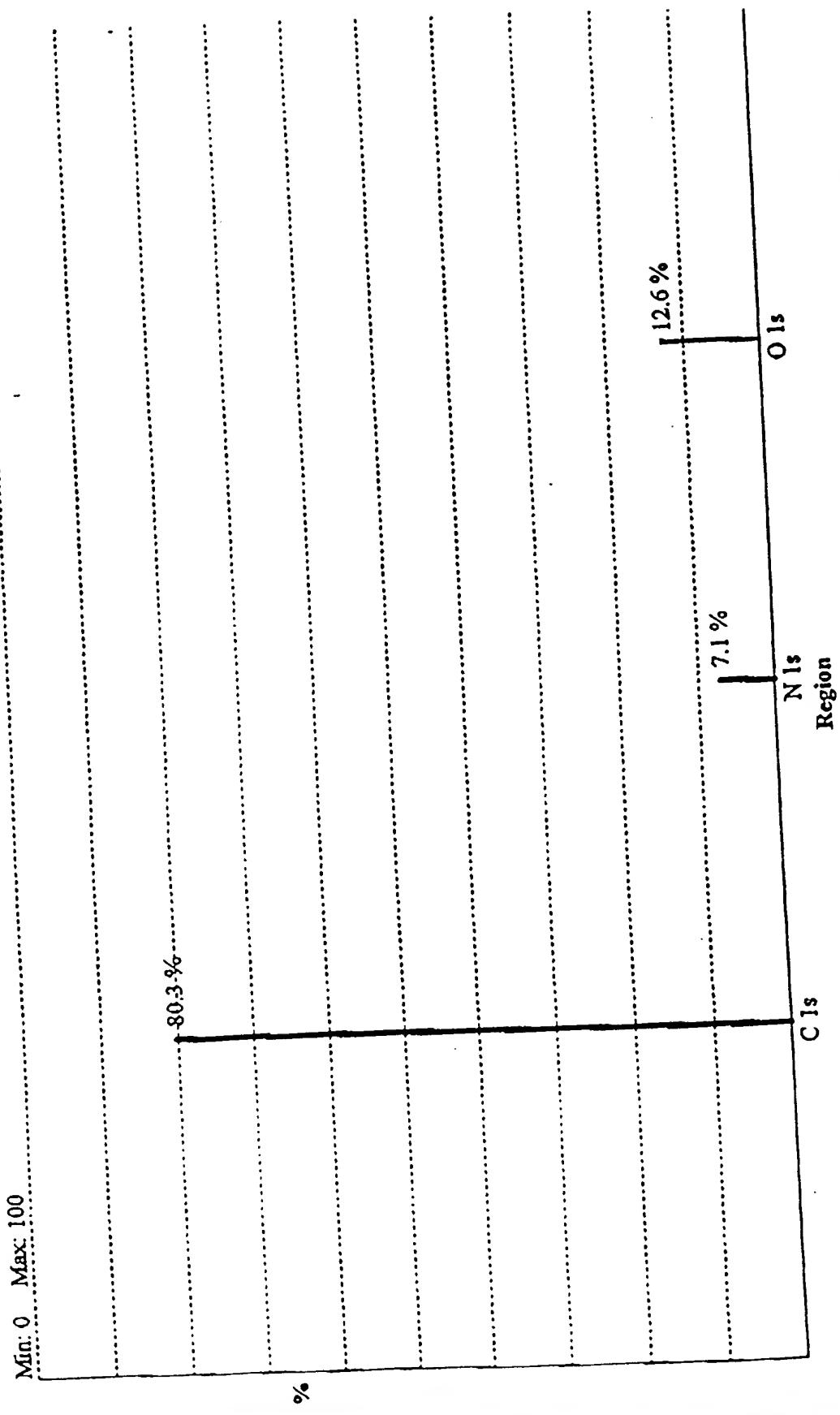


Fig. 11 ESCA MULTIPLEX FOR HEAT-TREATED SAMPLE 6CB

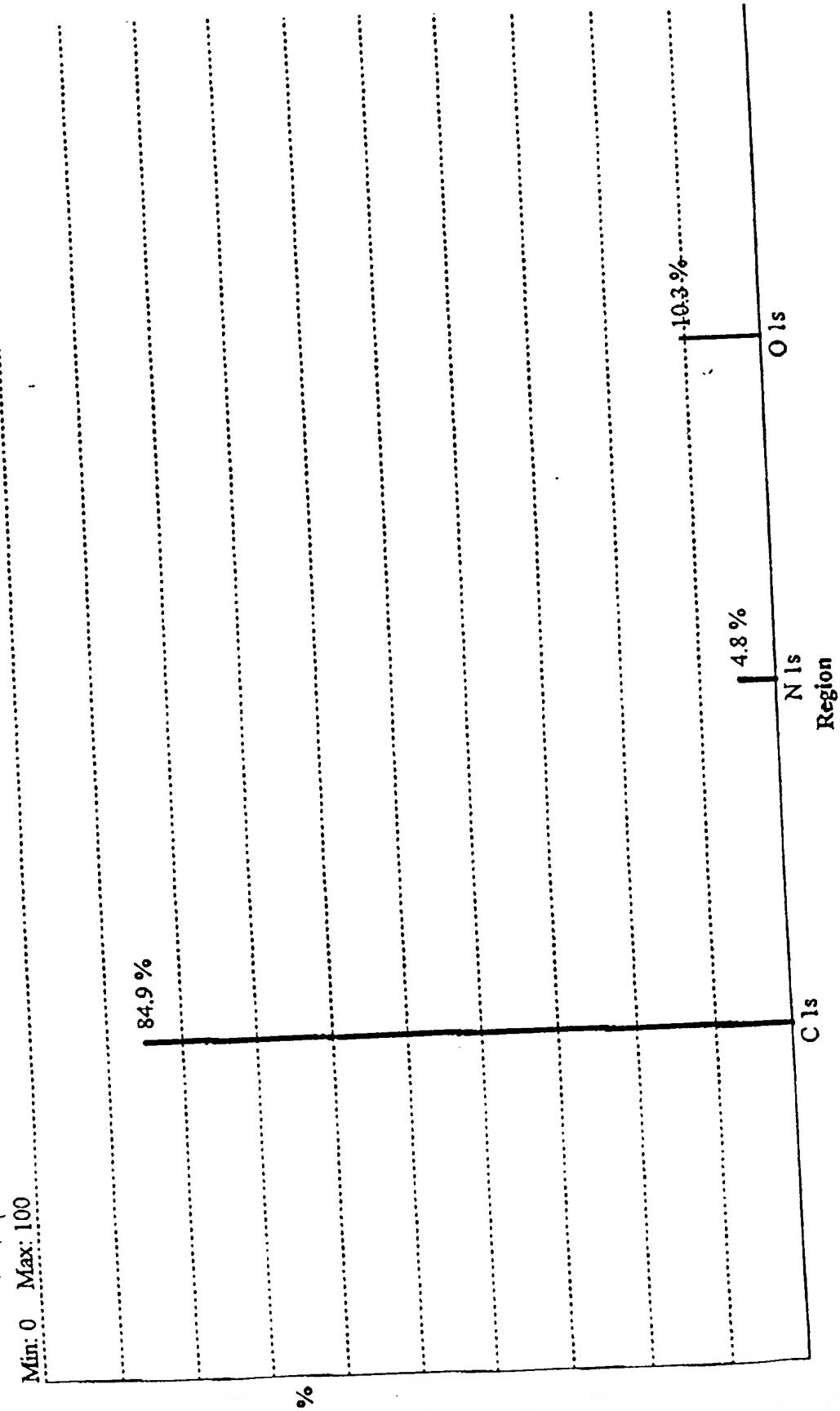
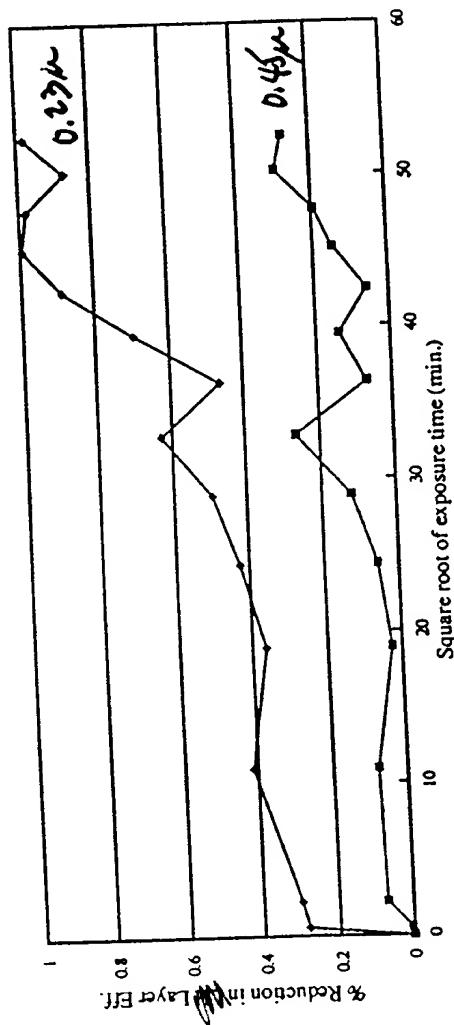


Fig. 12



F. J. E. F. J. E.

Fig. 13. Effect of exposure time on the reduction of the original layer efficiency.

Fig. 13

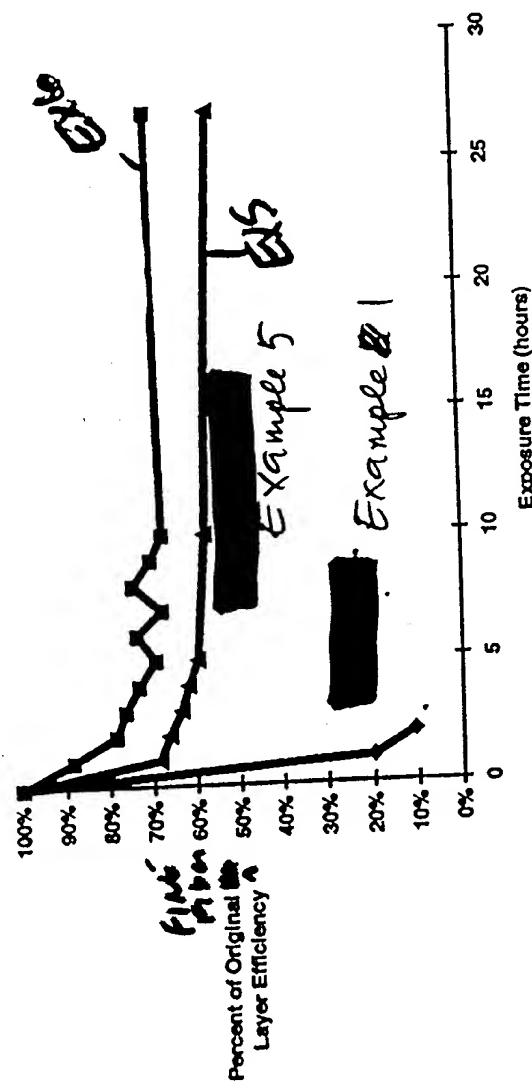


Fig. 14

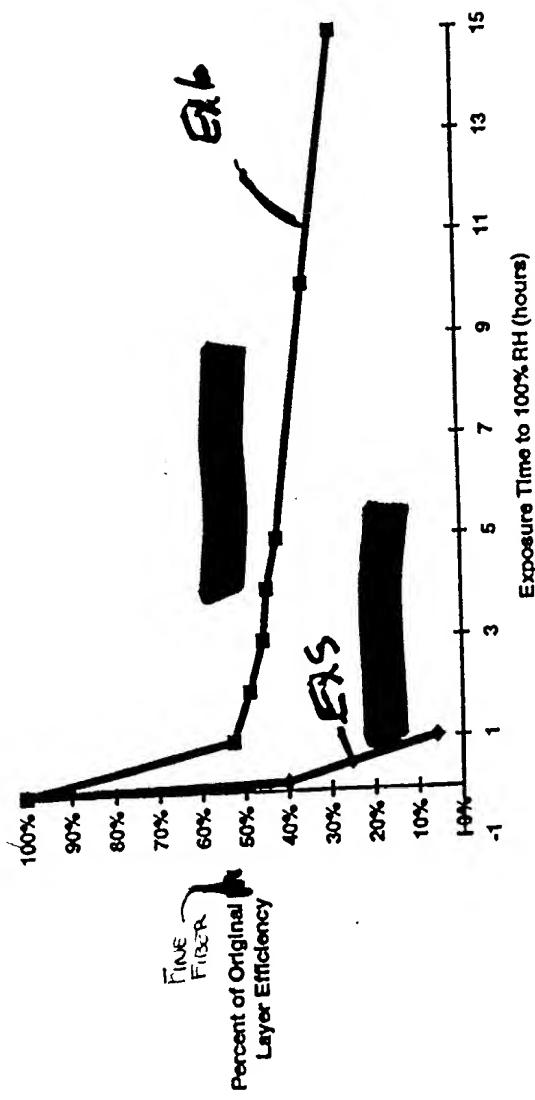


Fig. 15

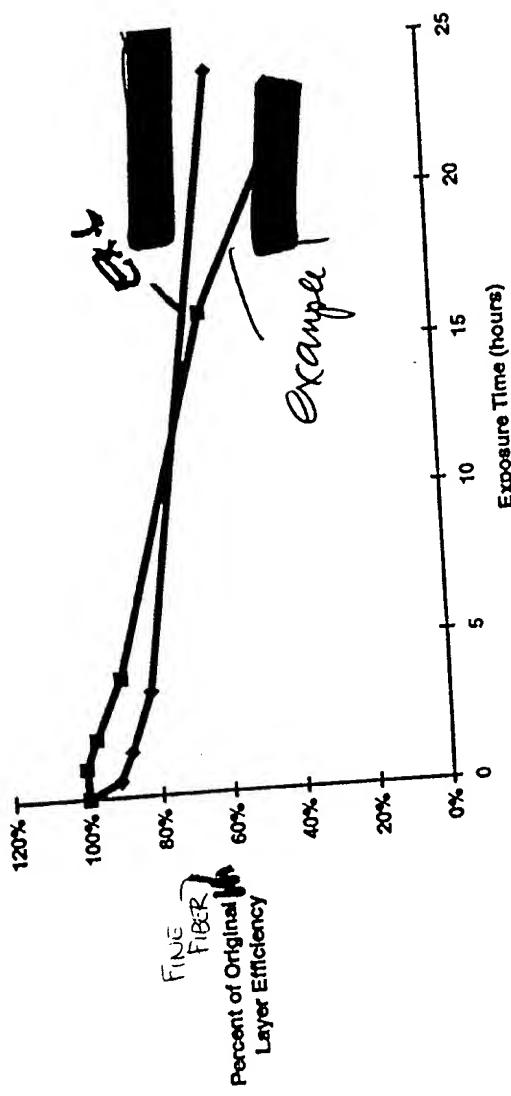


Fig. 16

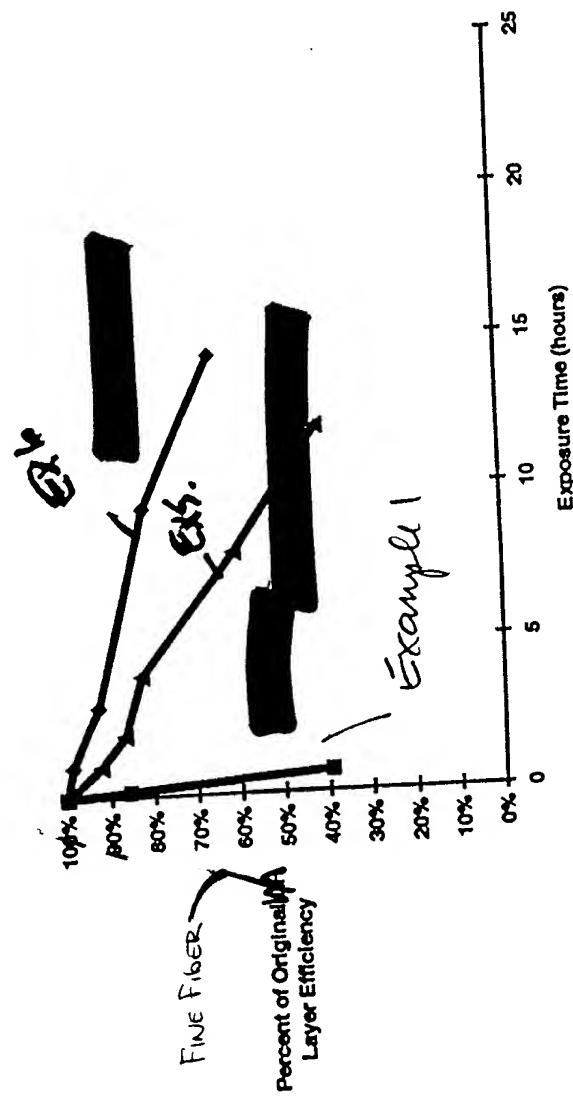
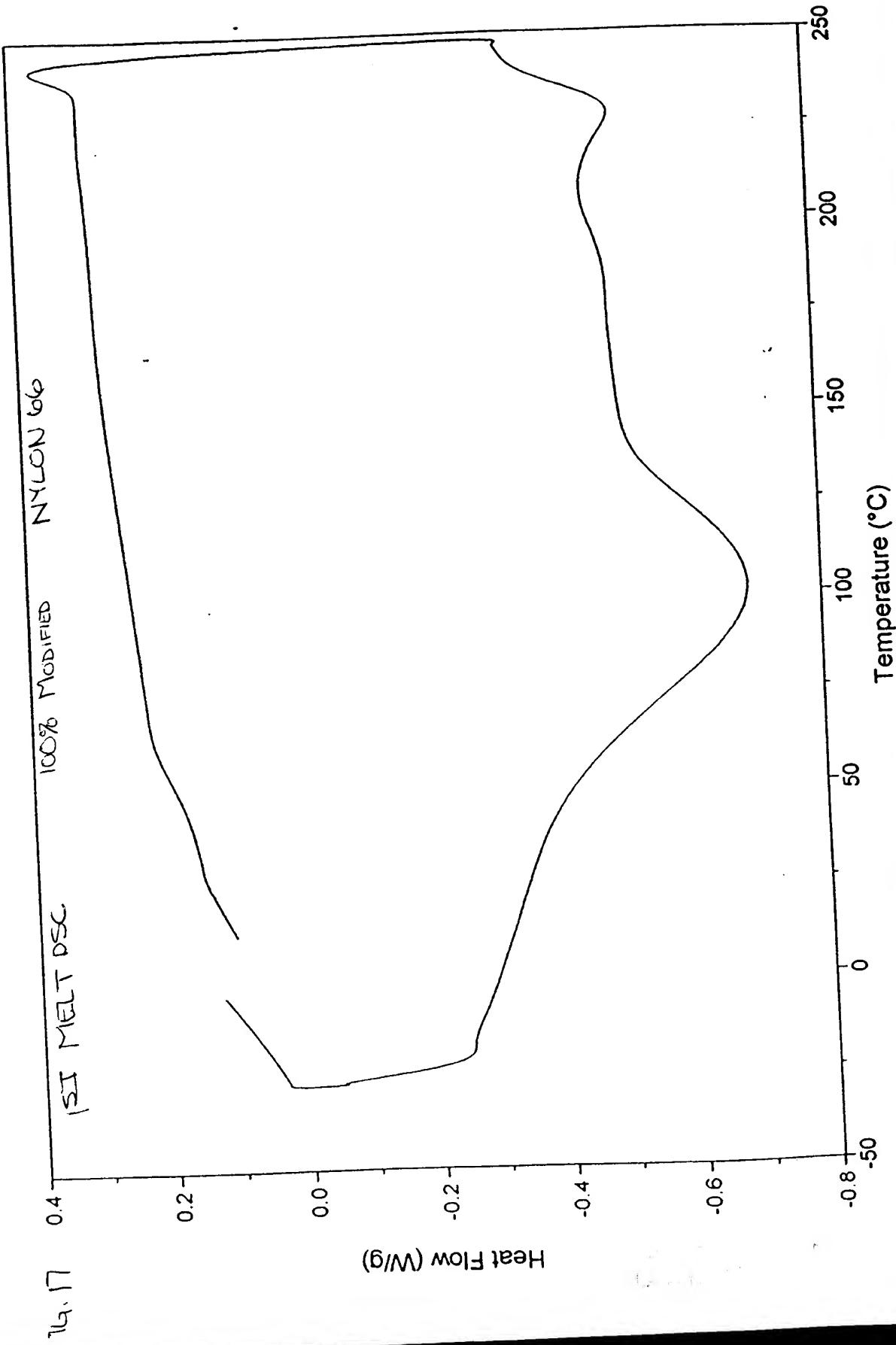
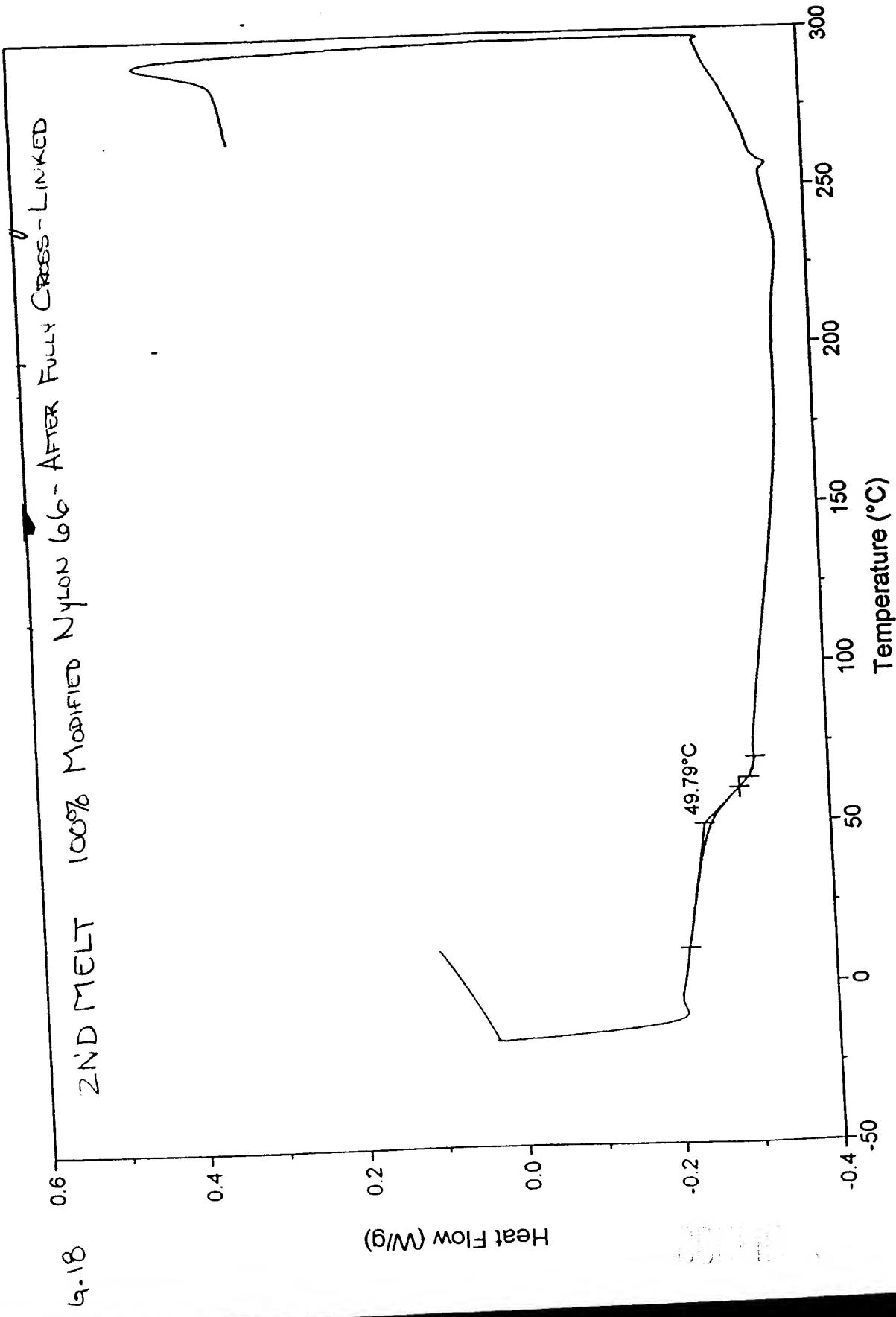


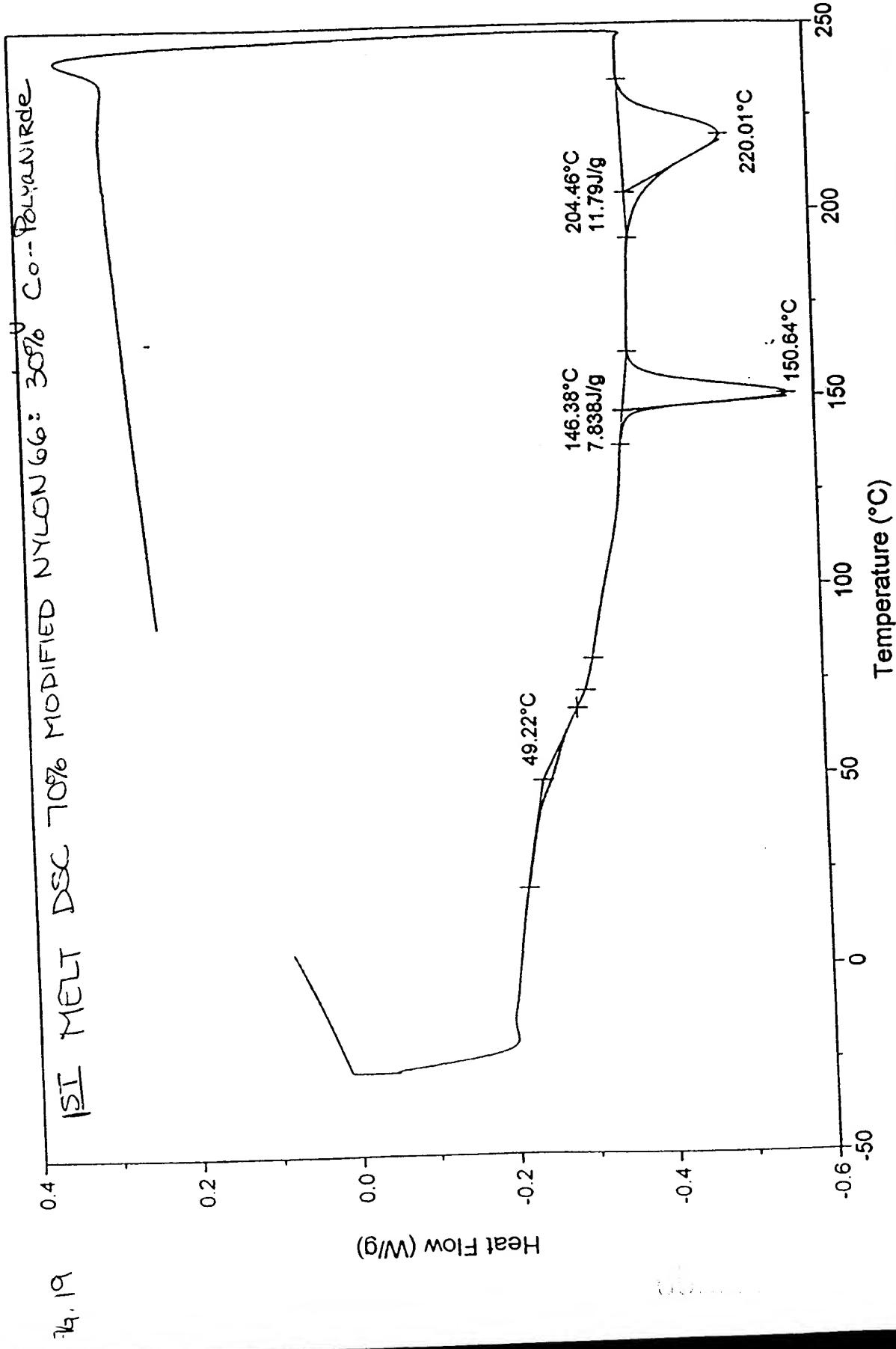
Fig. 17

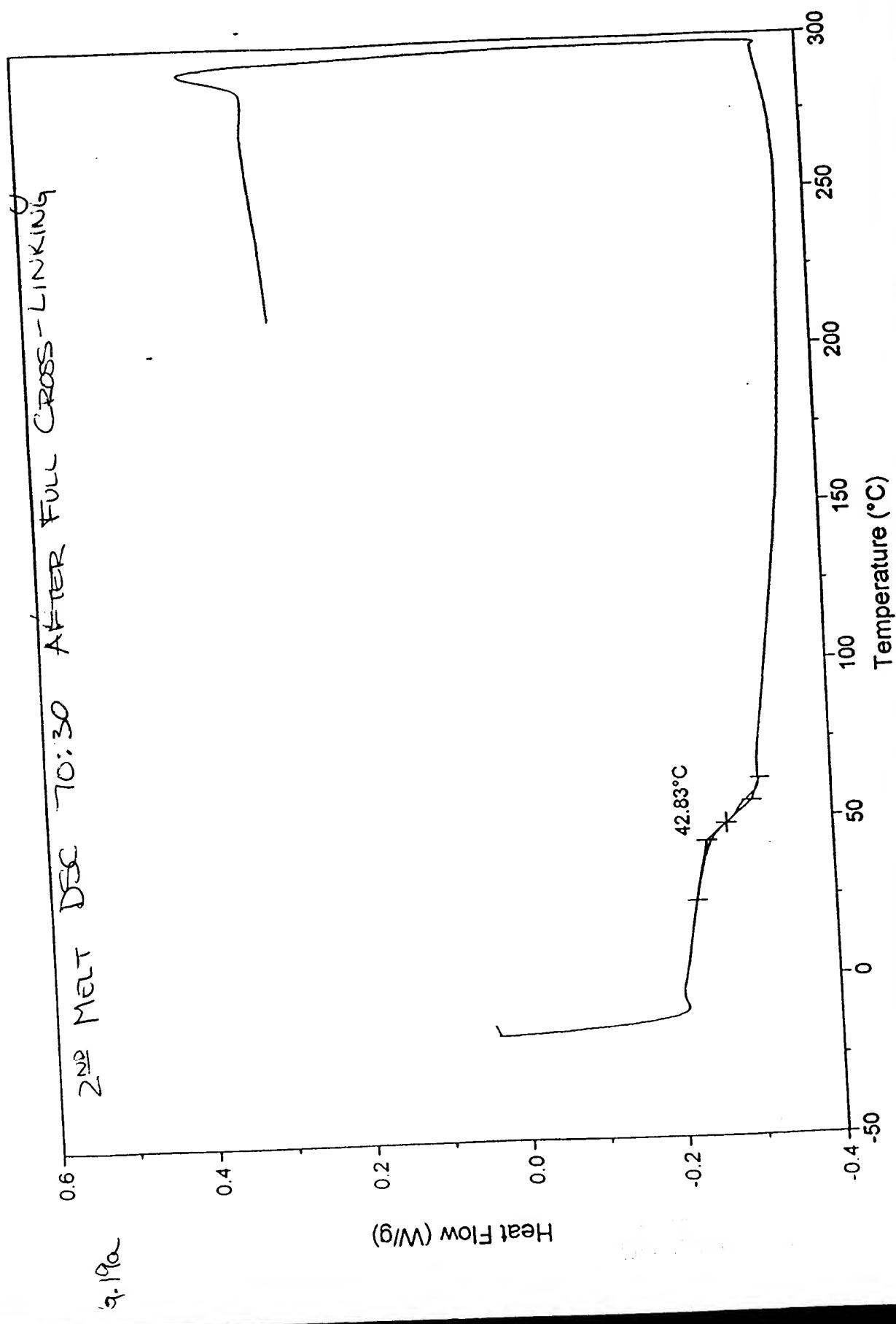
1ST MELT DSC.

100% MODIFIED NYLON 66









20

120

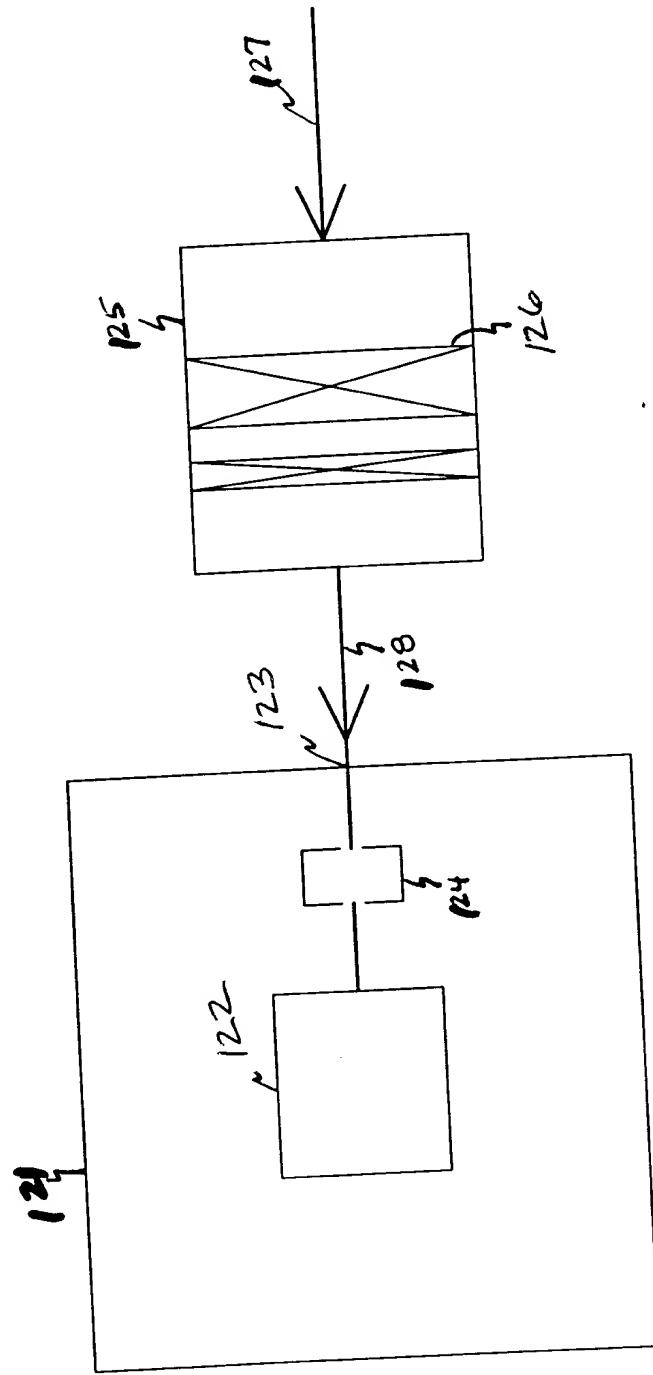


FIG. 23

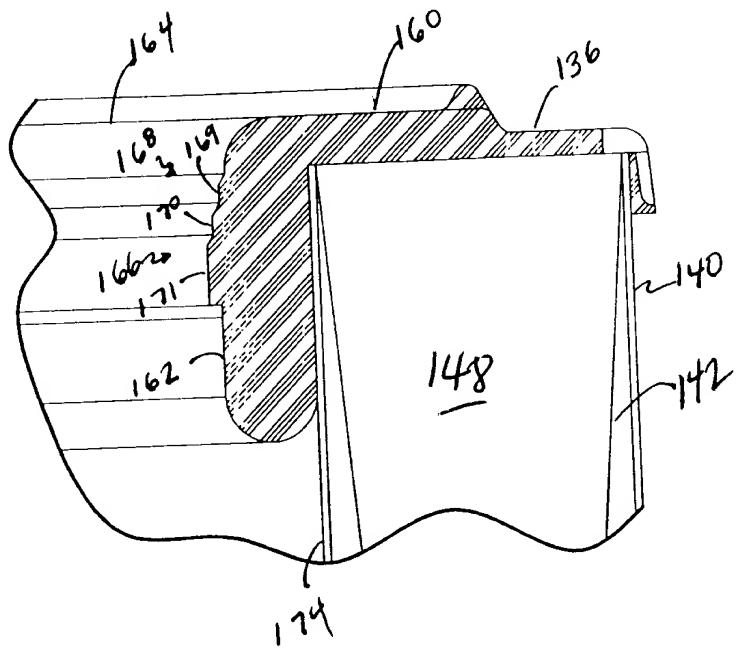


FIG. 21

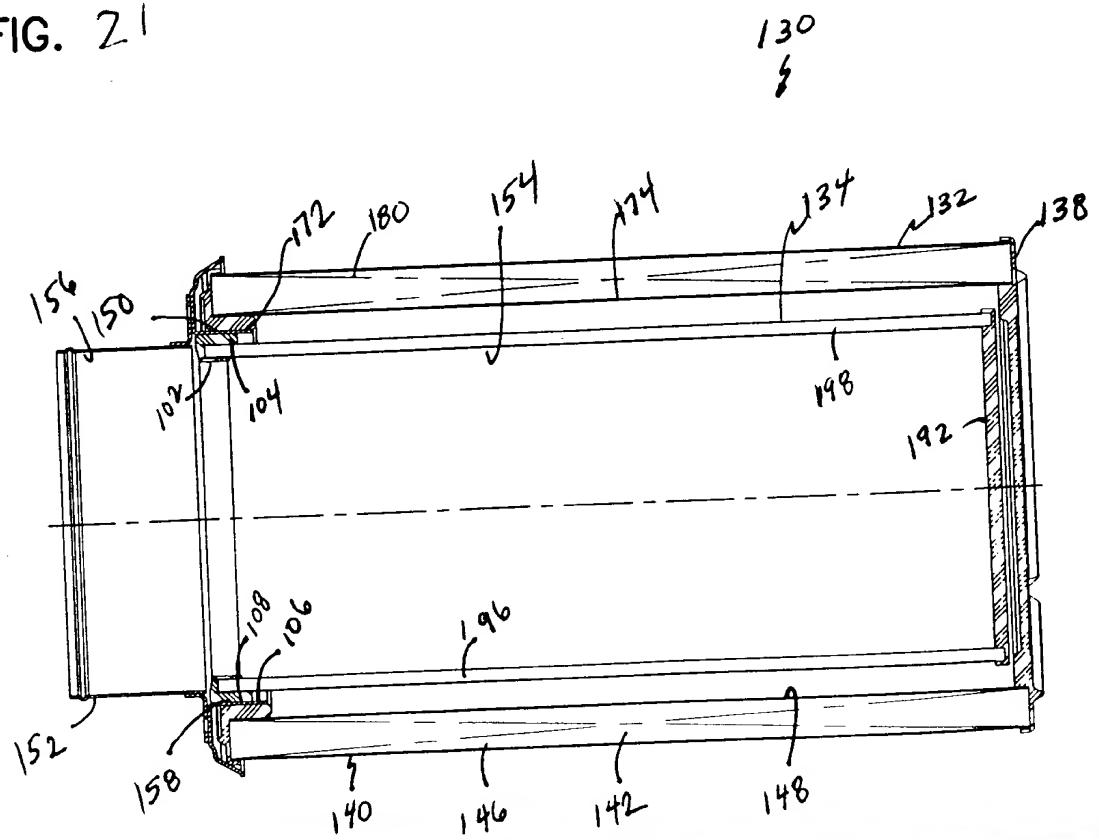


FIG. 22

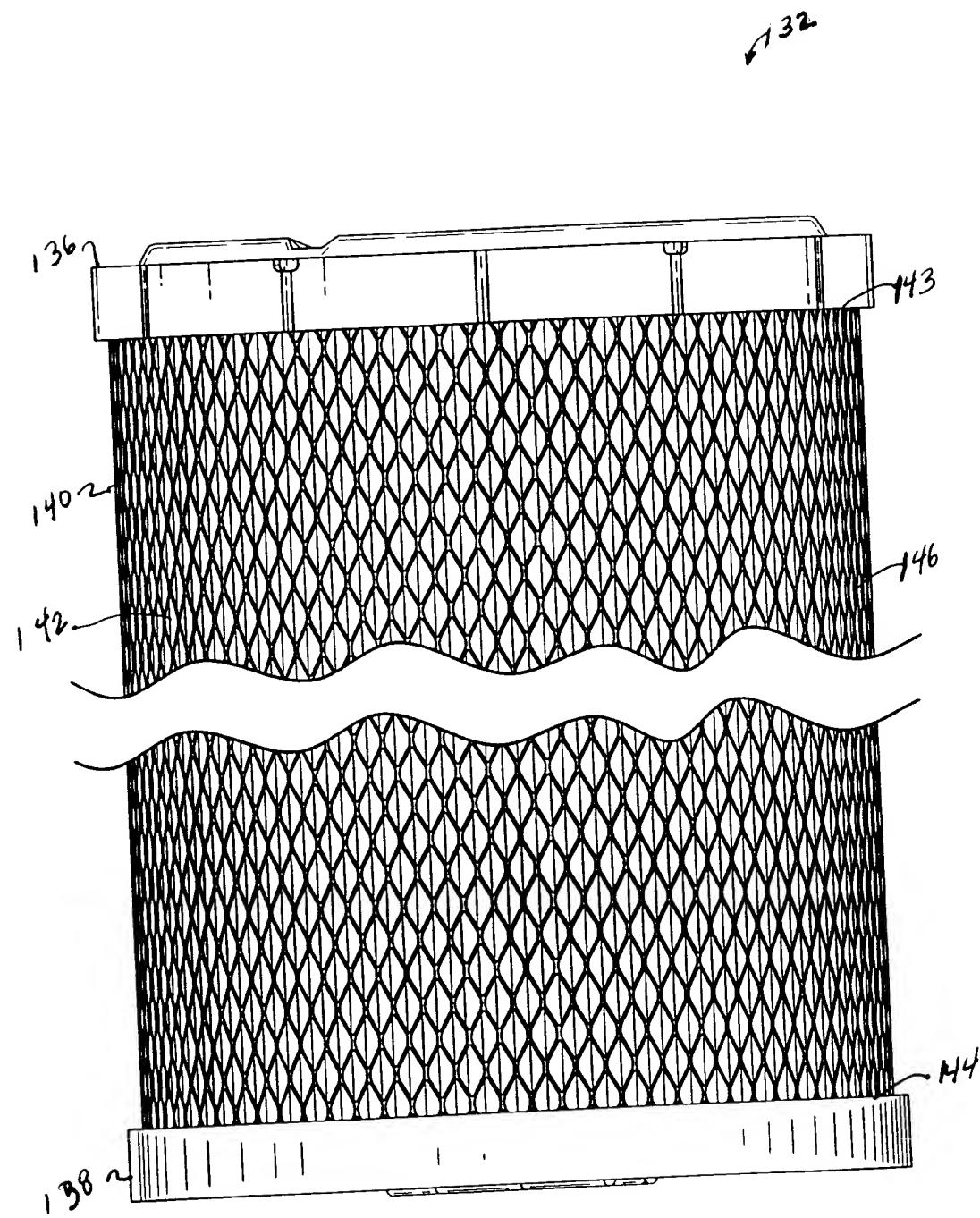


FIG. 24

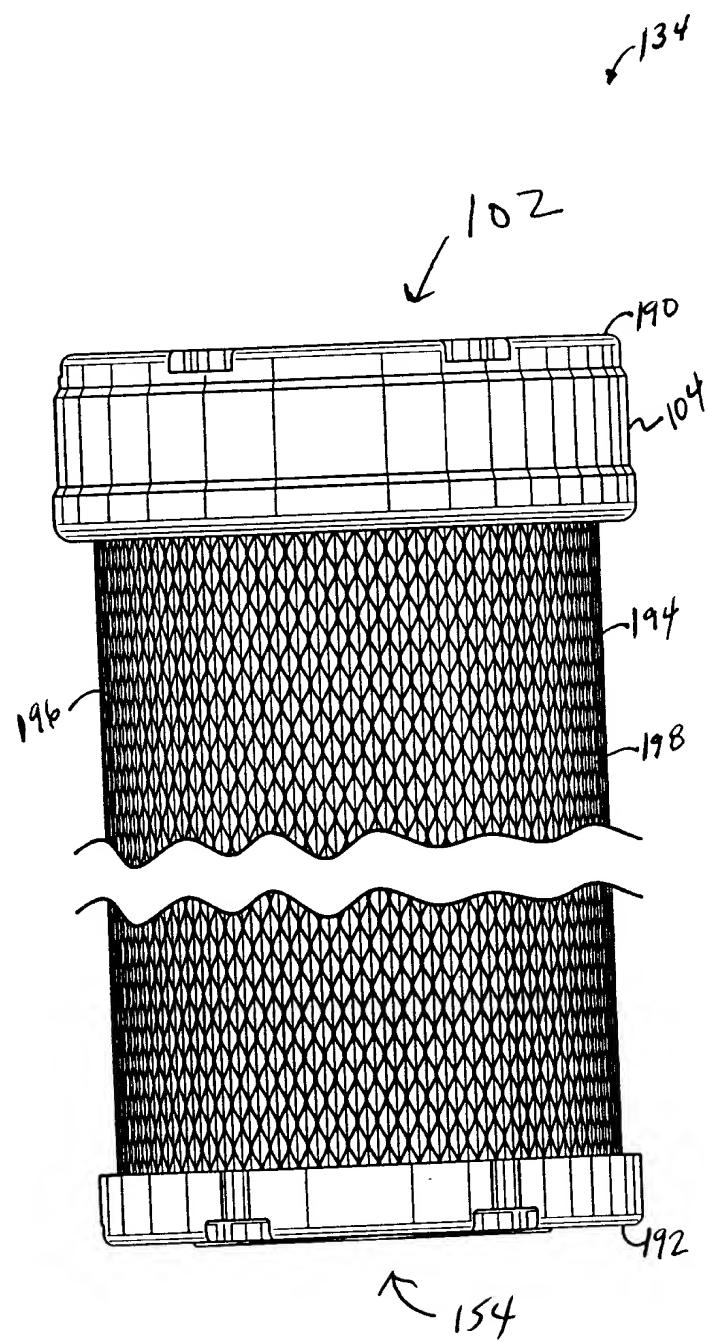


FIG. 25

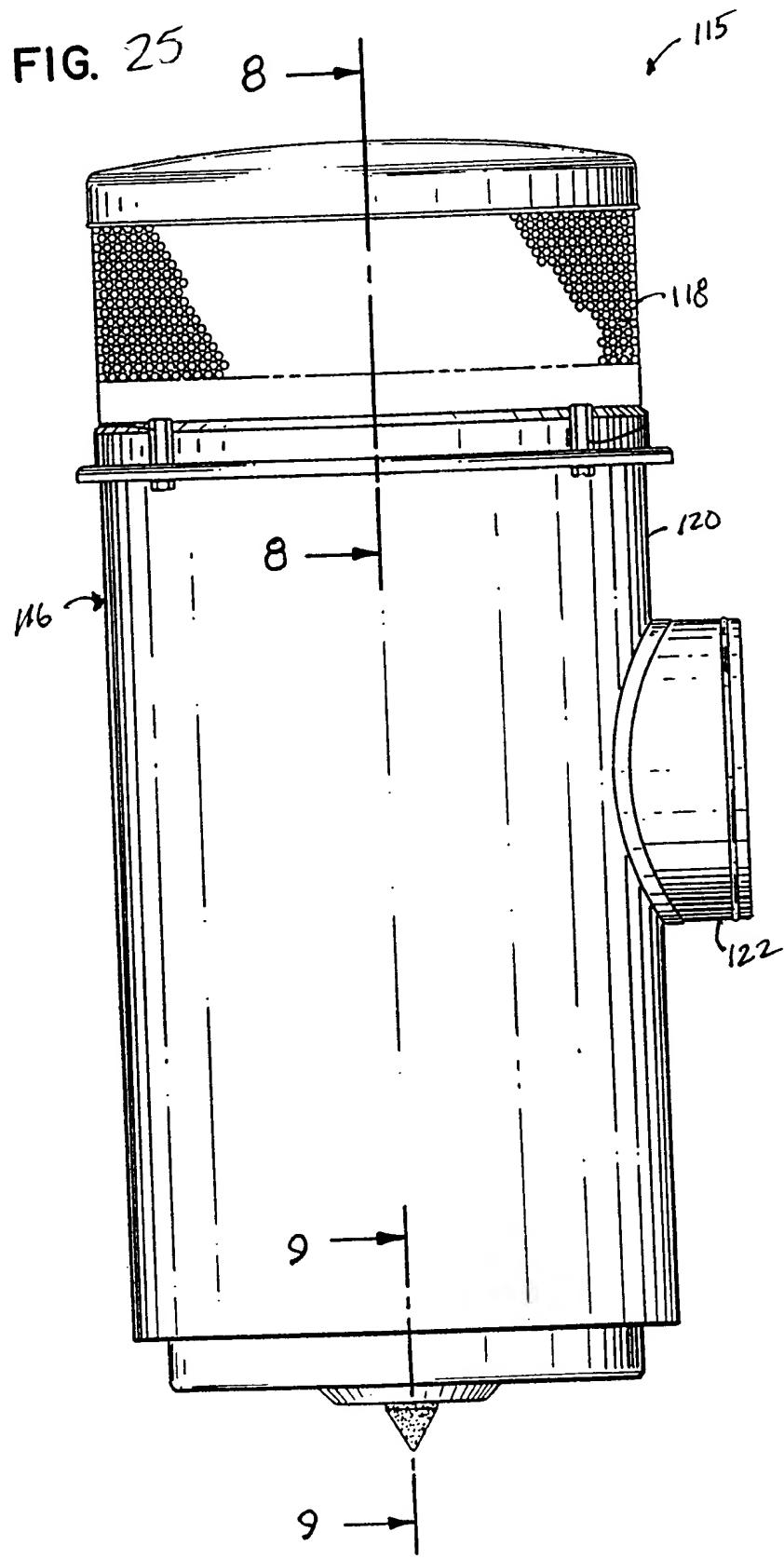


FIG. 26

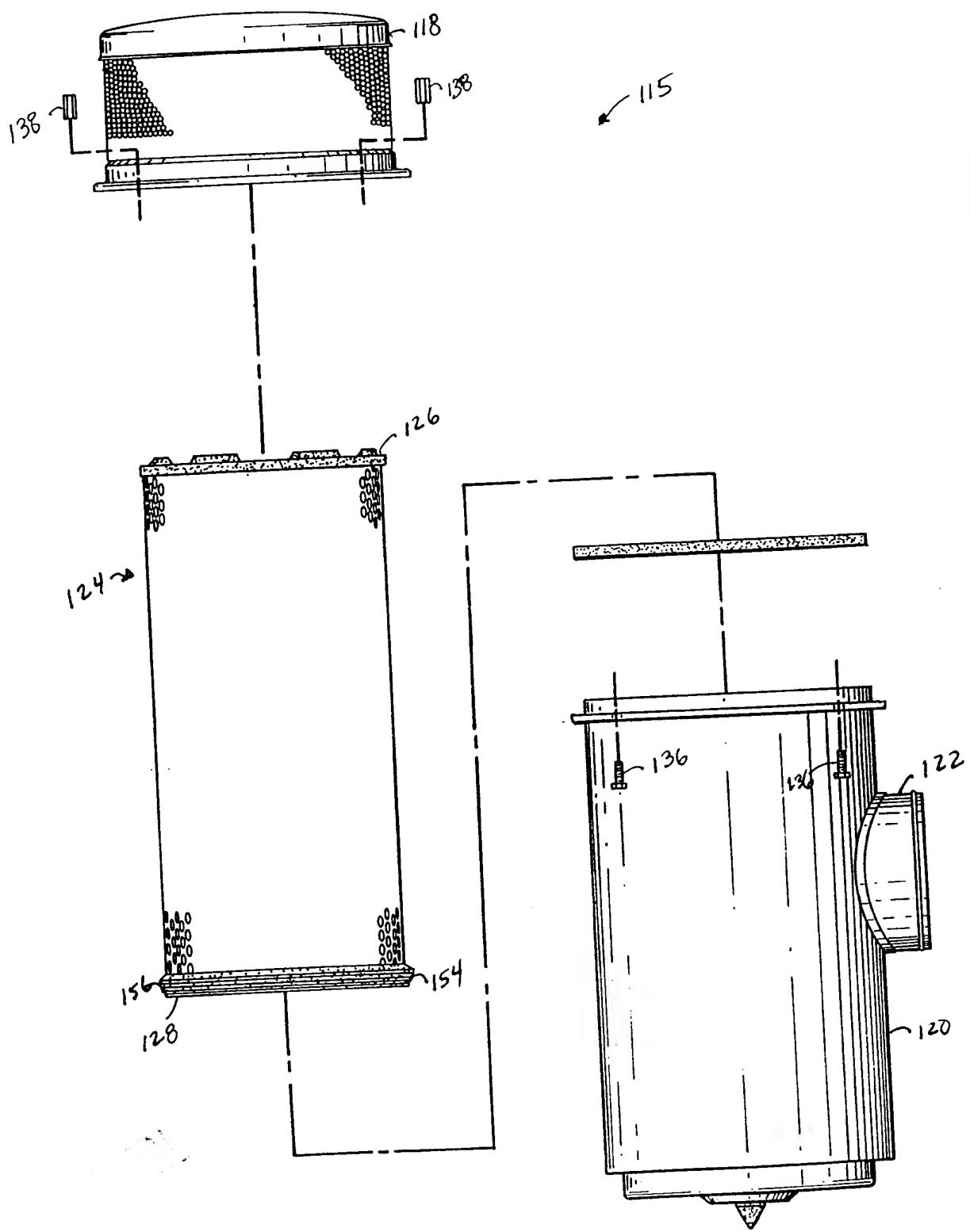


FIG. 27

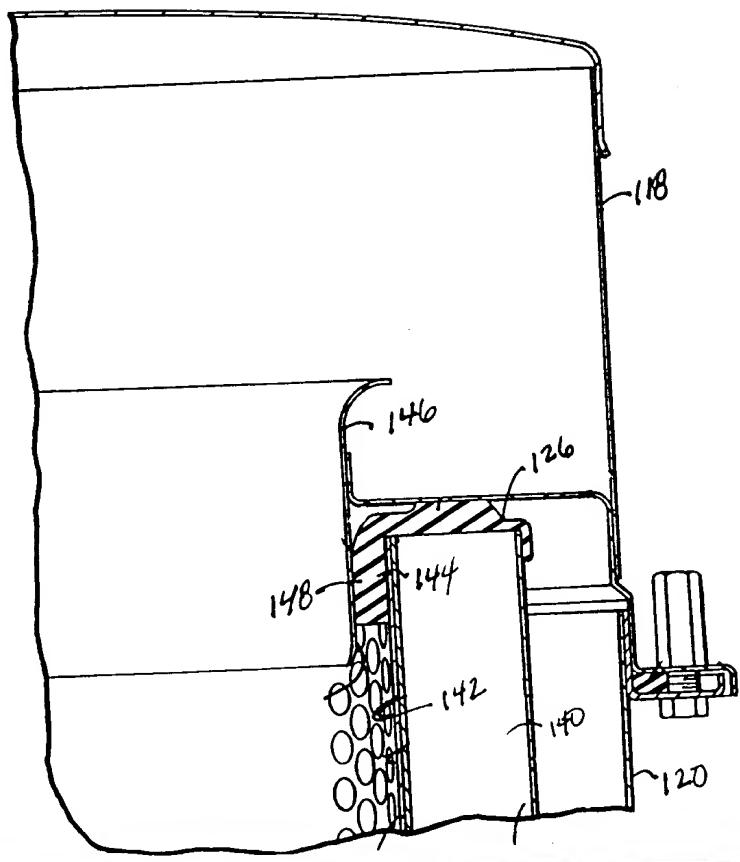


FIG. 28

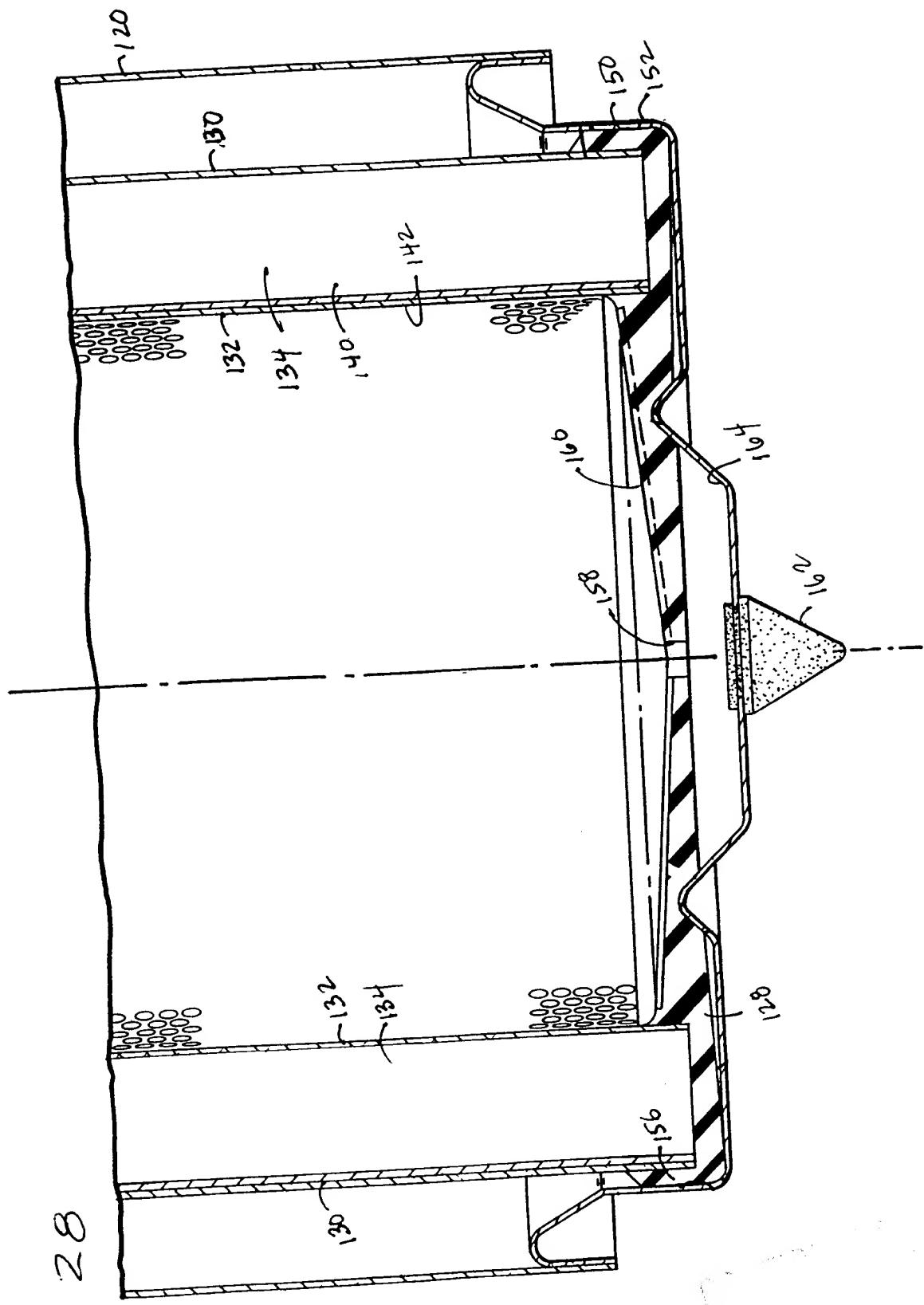


FIG. 29

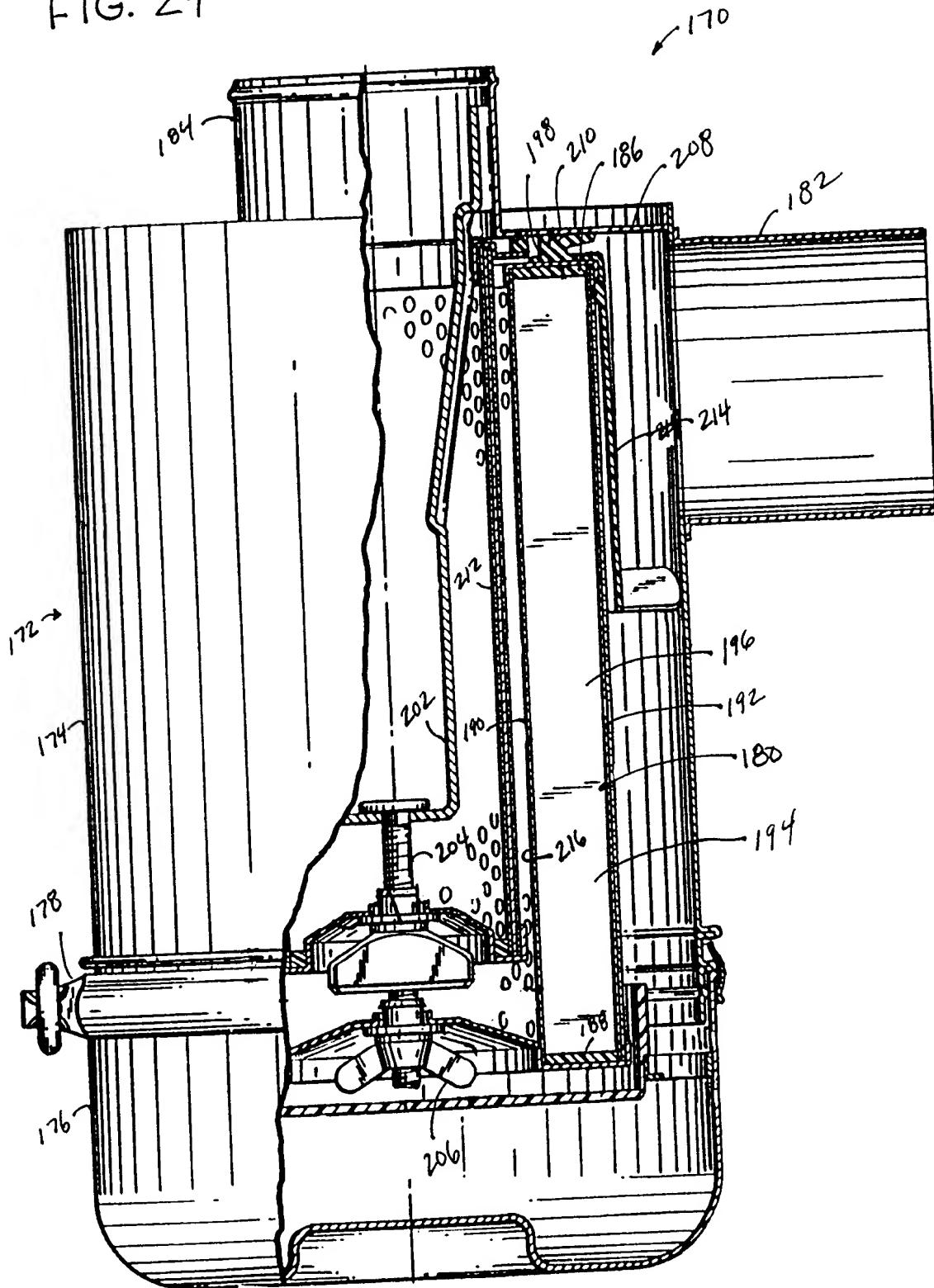


FIG. 30

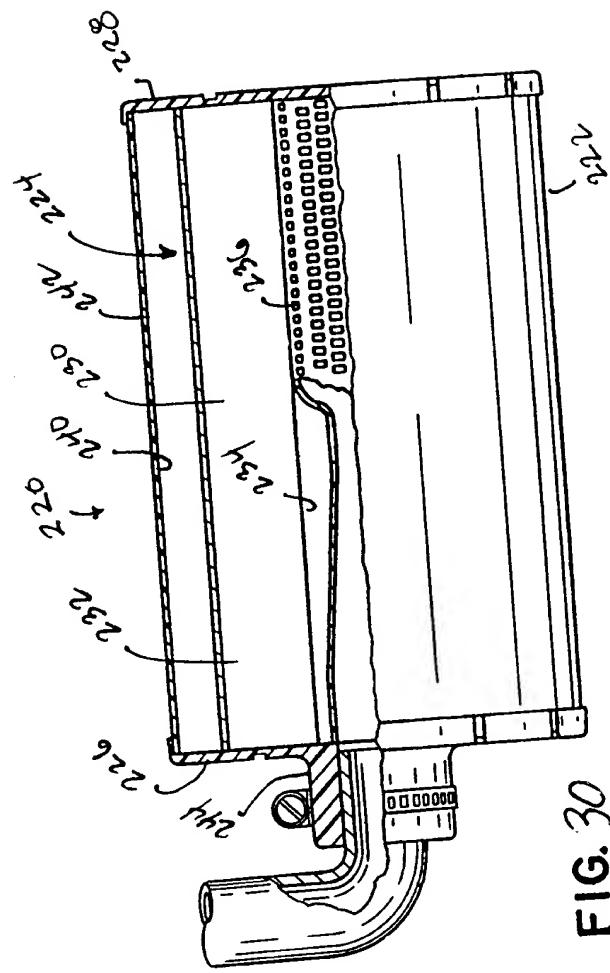


FIG. 30A.

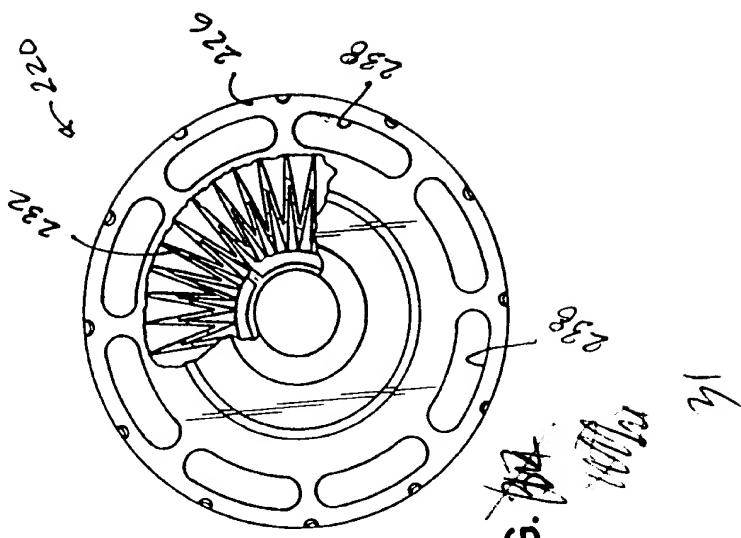


FIG. 32

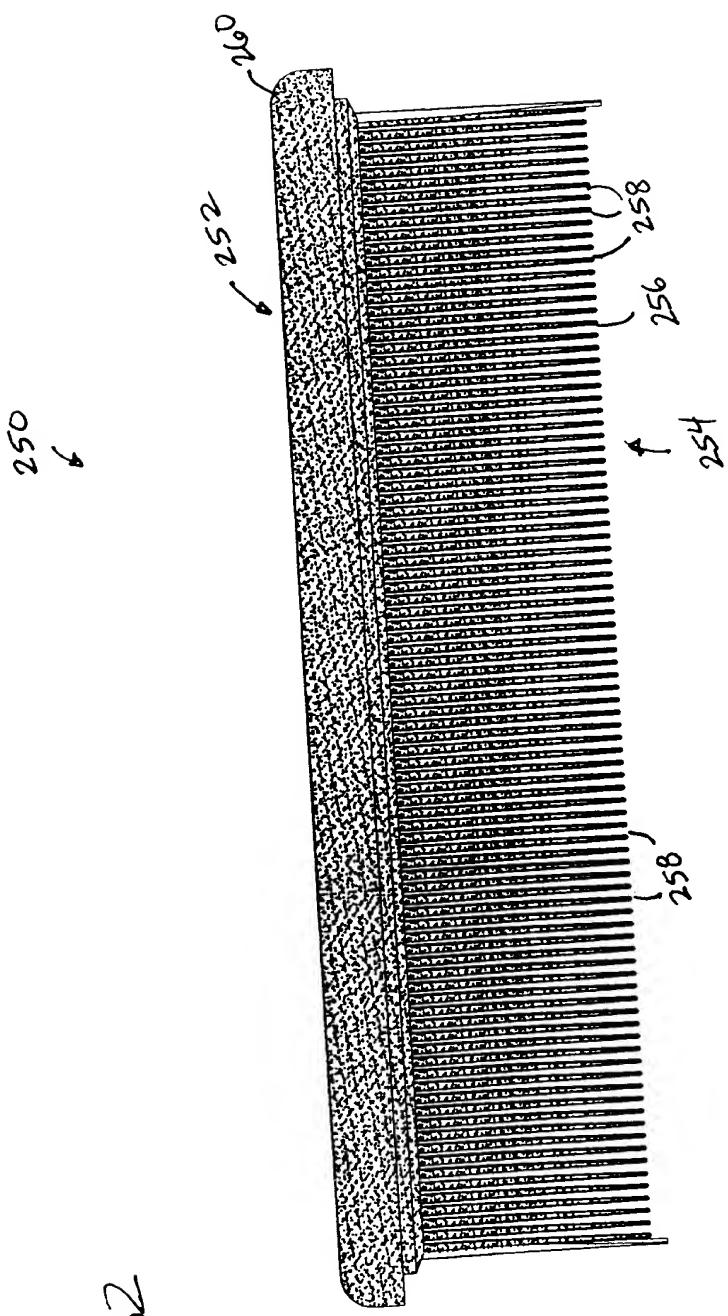


FIG. 33

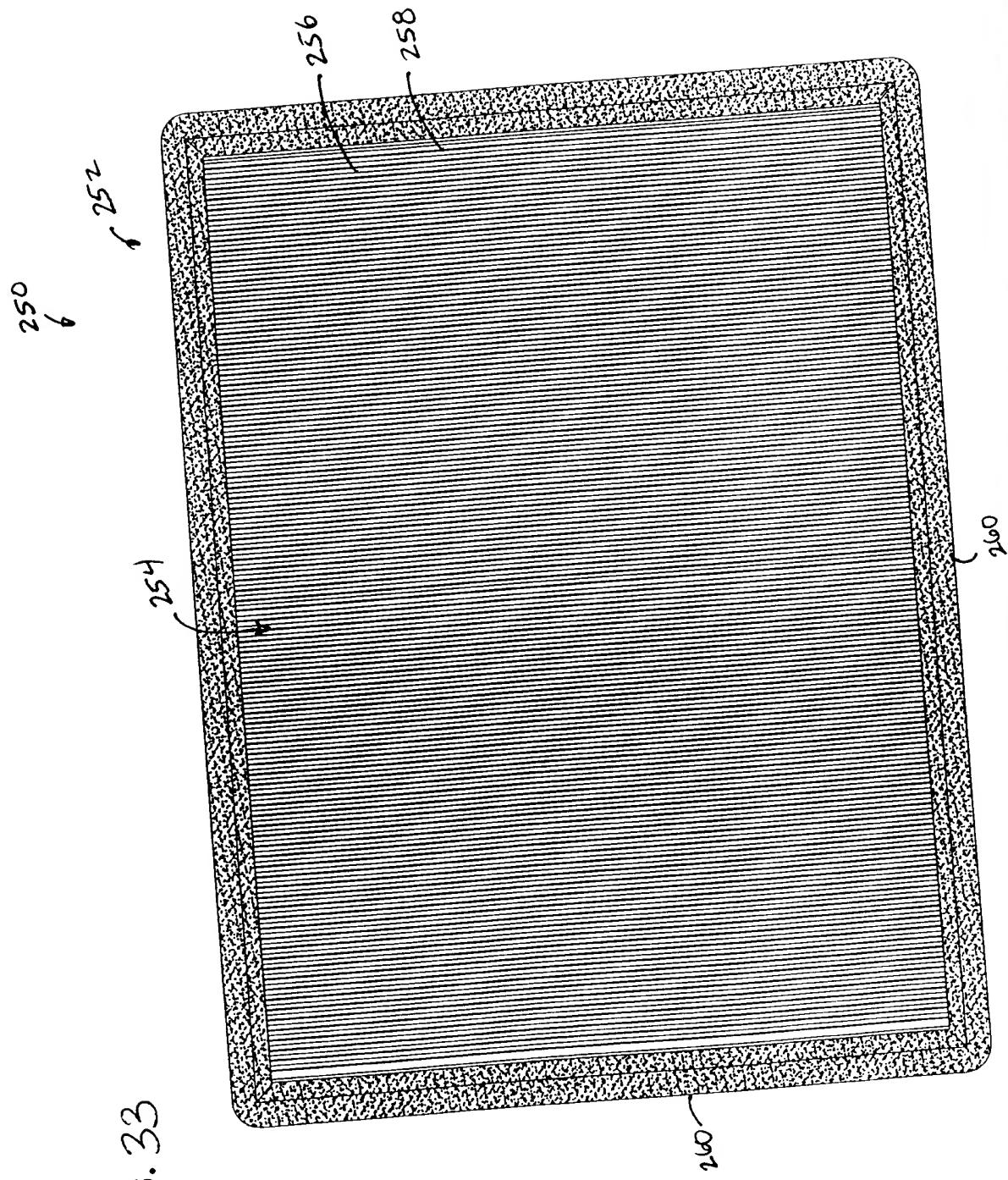
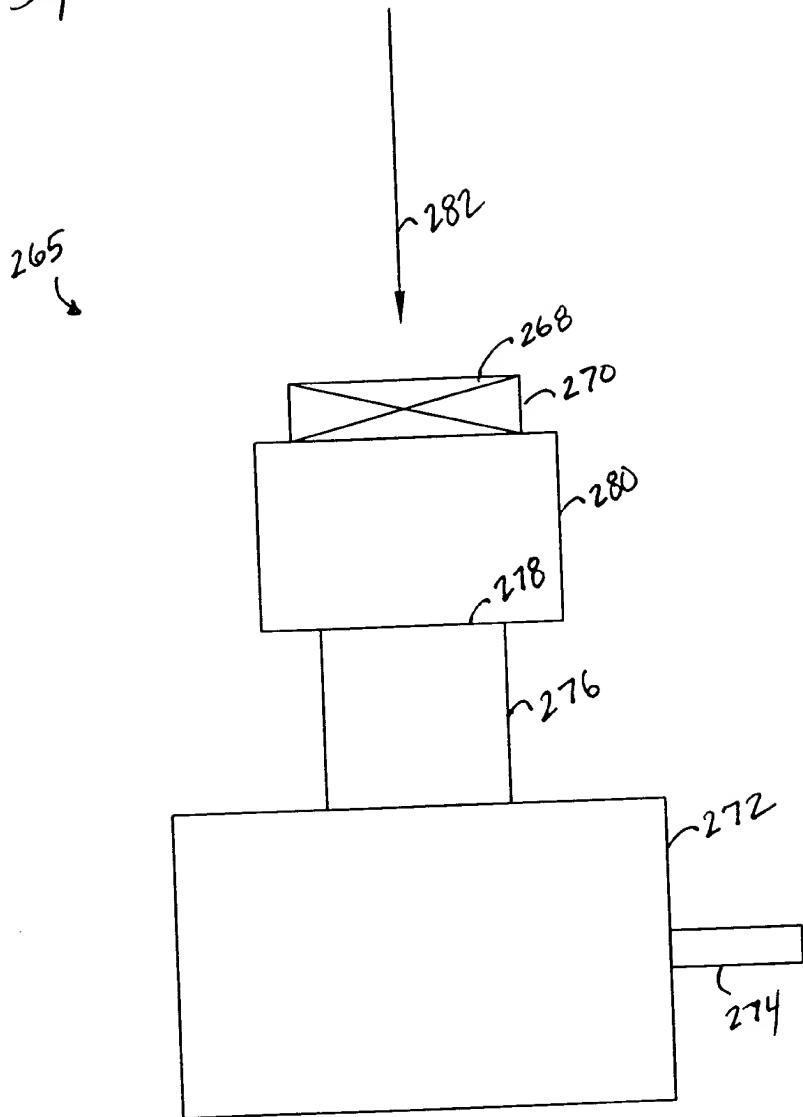


FIG. 34



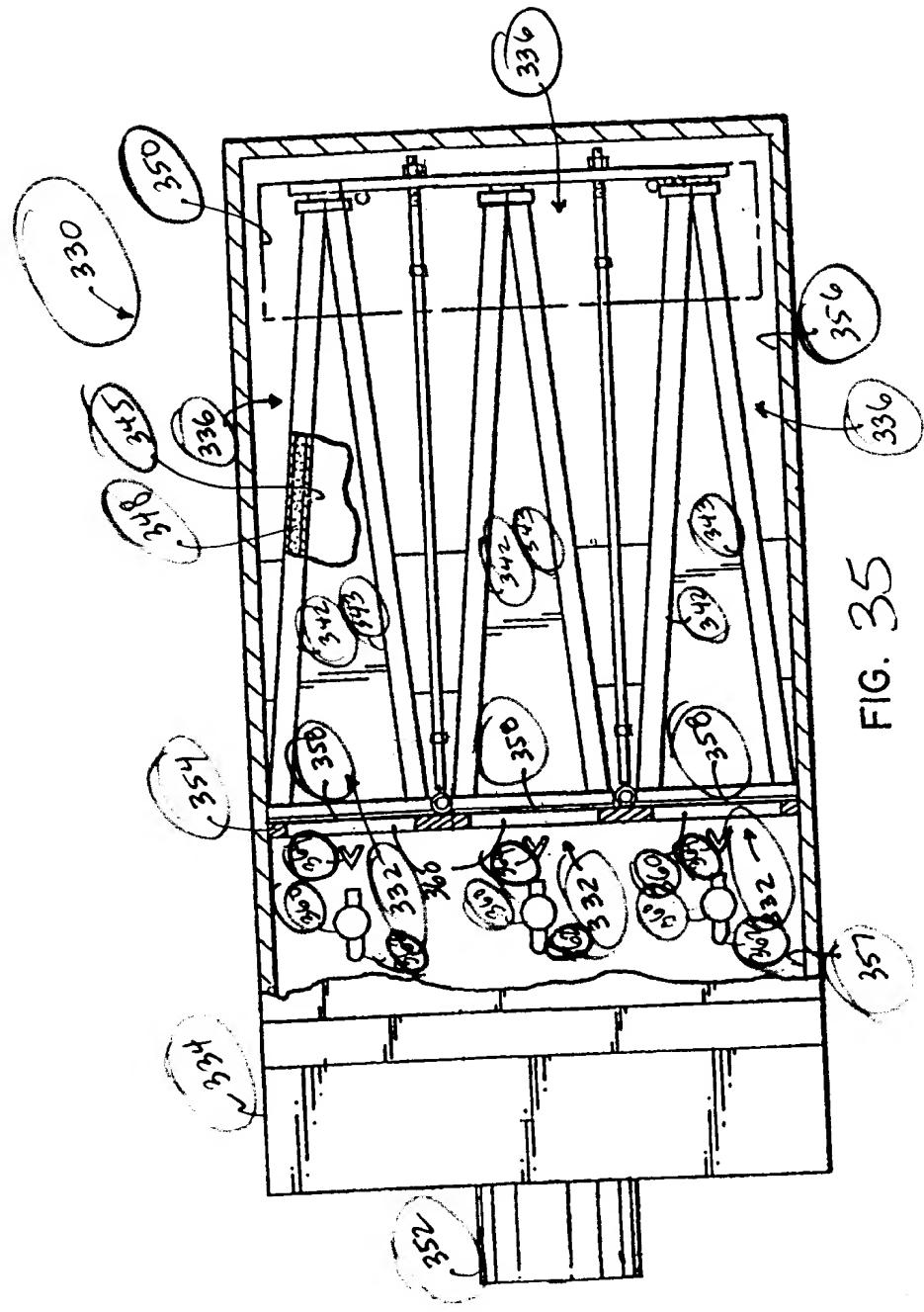


FIG. 35

FIG. 36

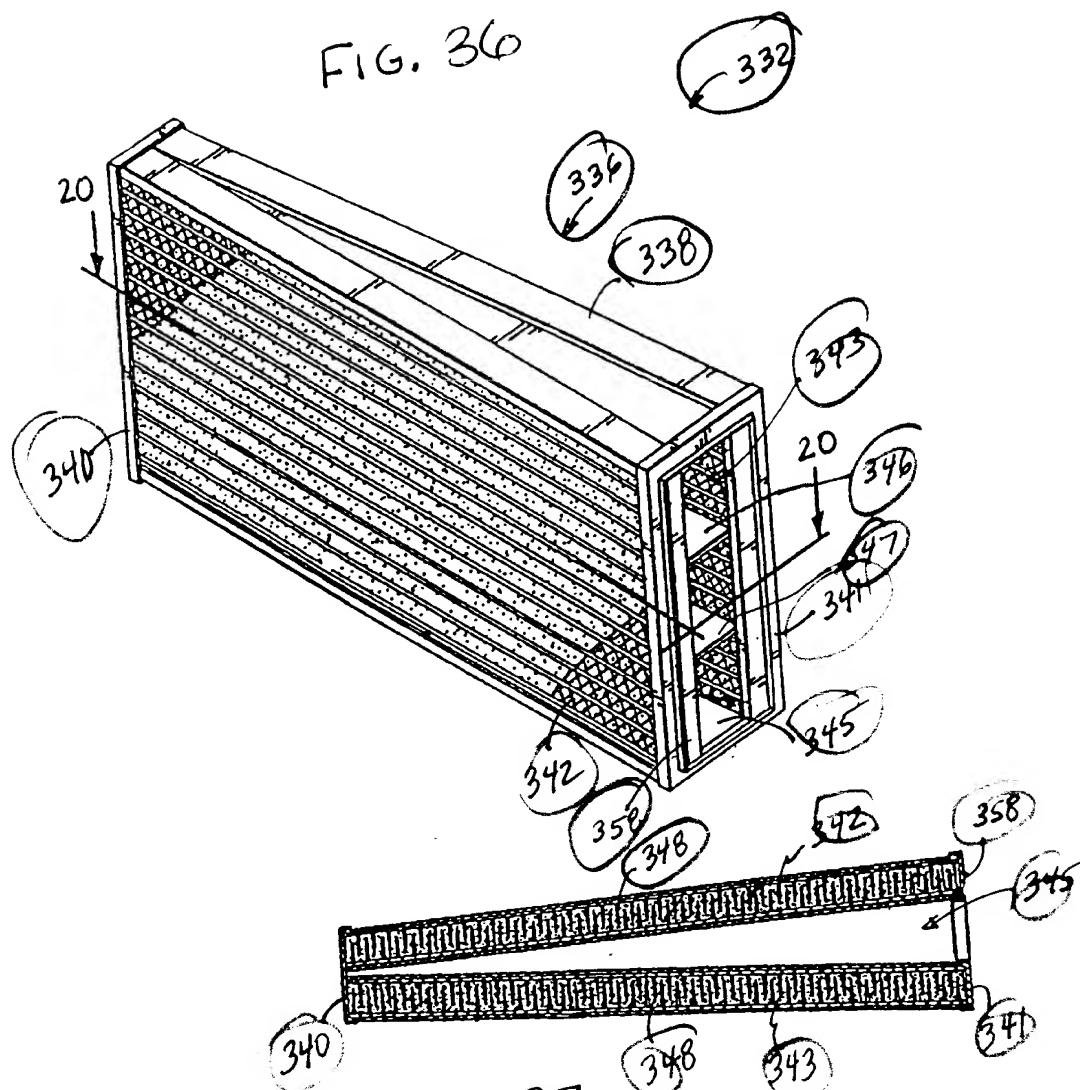


FIG. 37